

FIG. 1

Recordings from Sinus Node

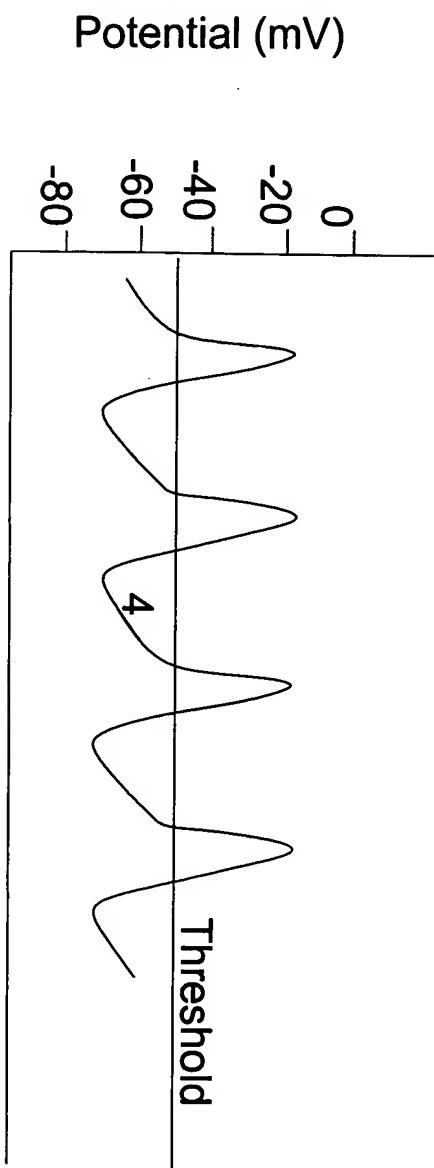


FIG. 2A

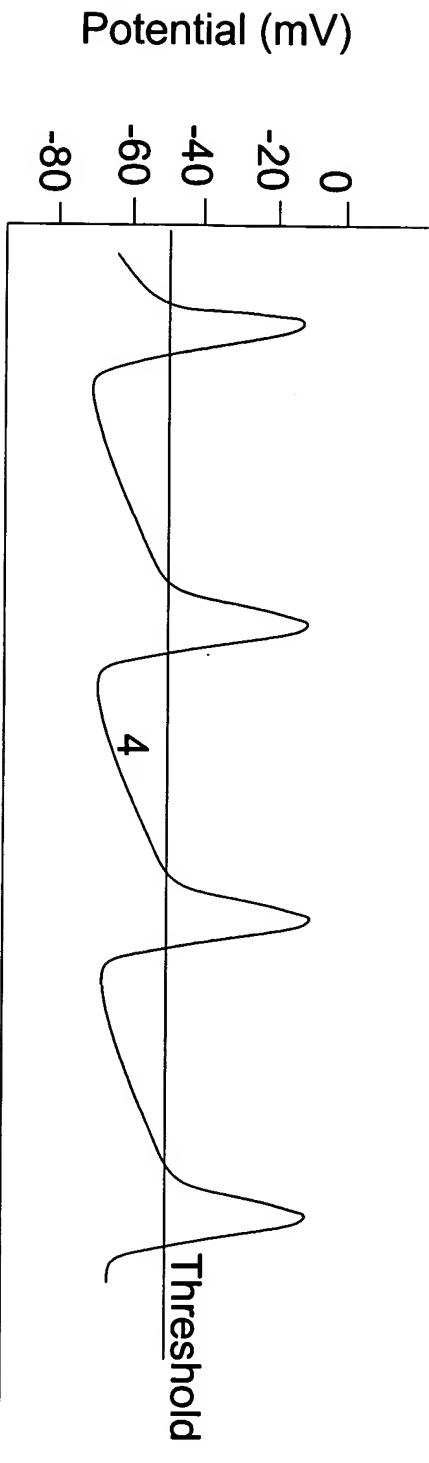


FIG. 2B

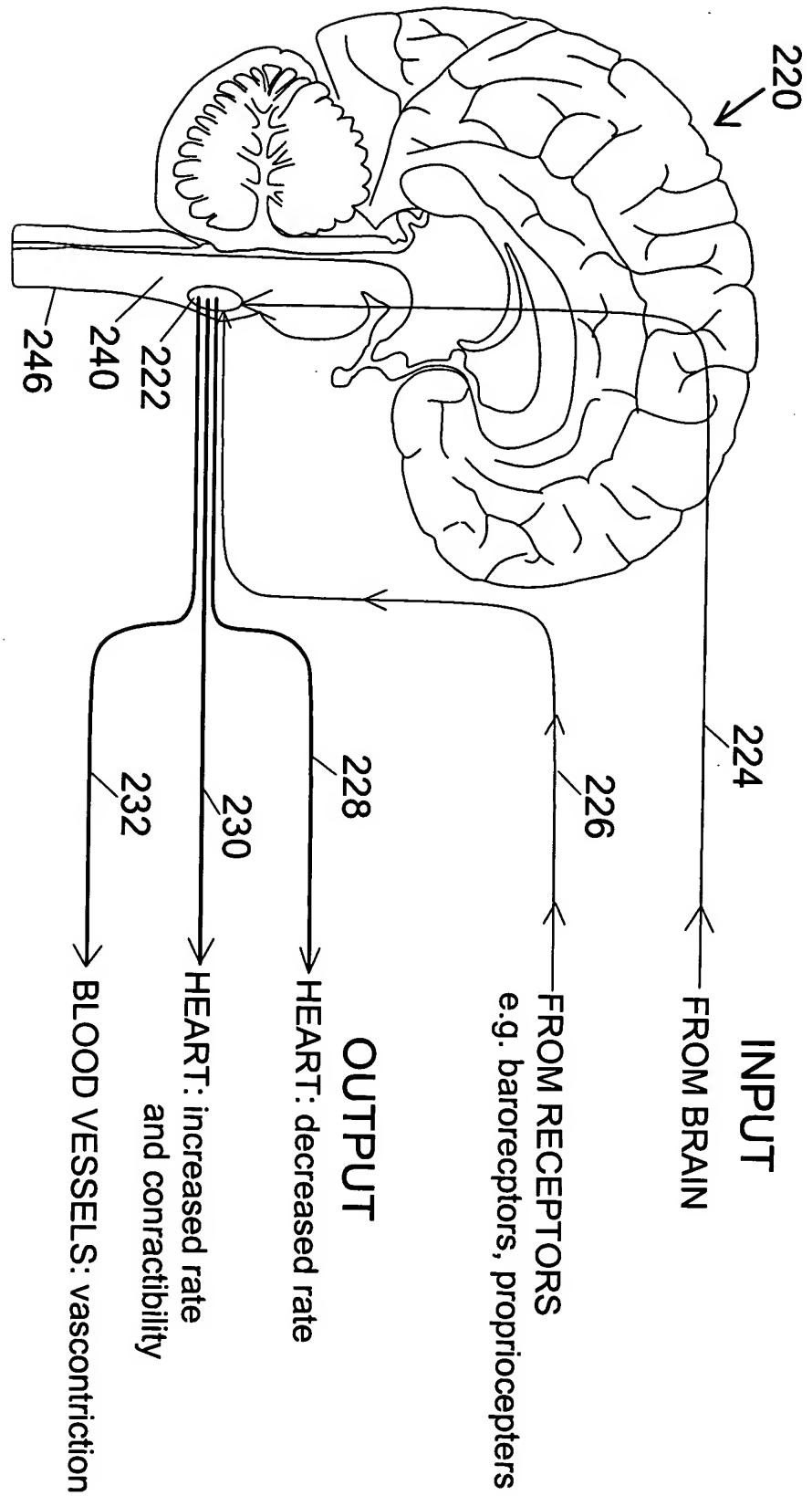


FIG.3

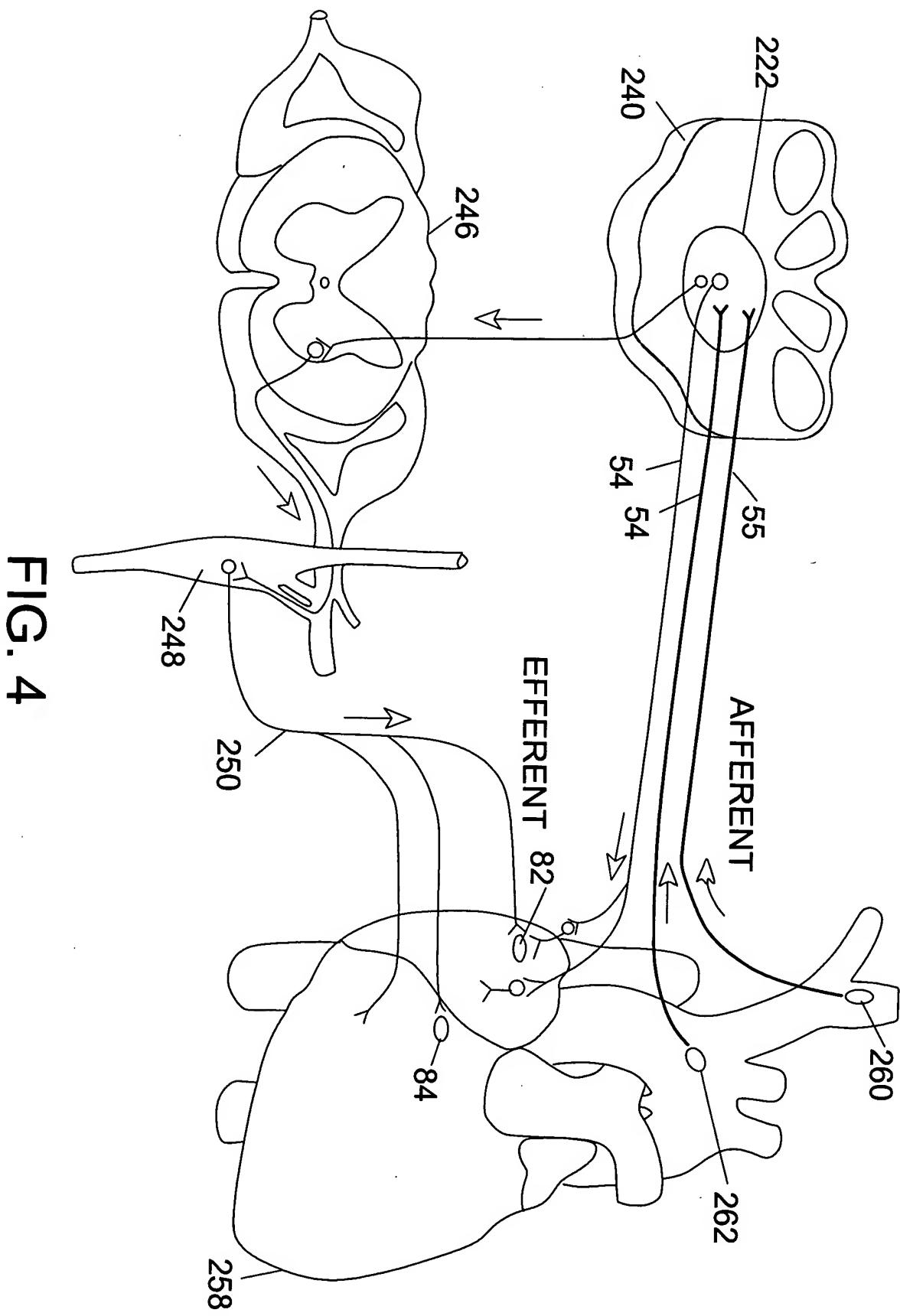


FIG. 4

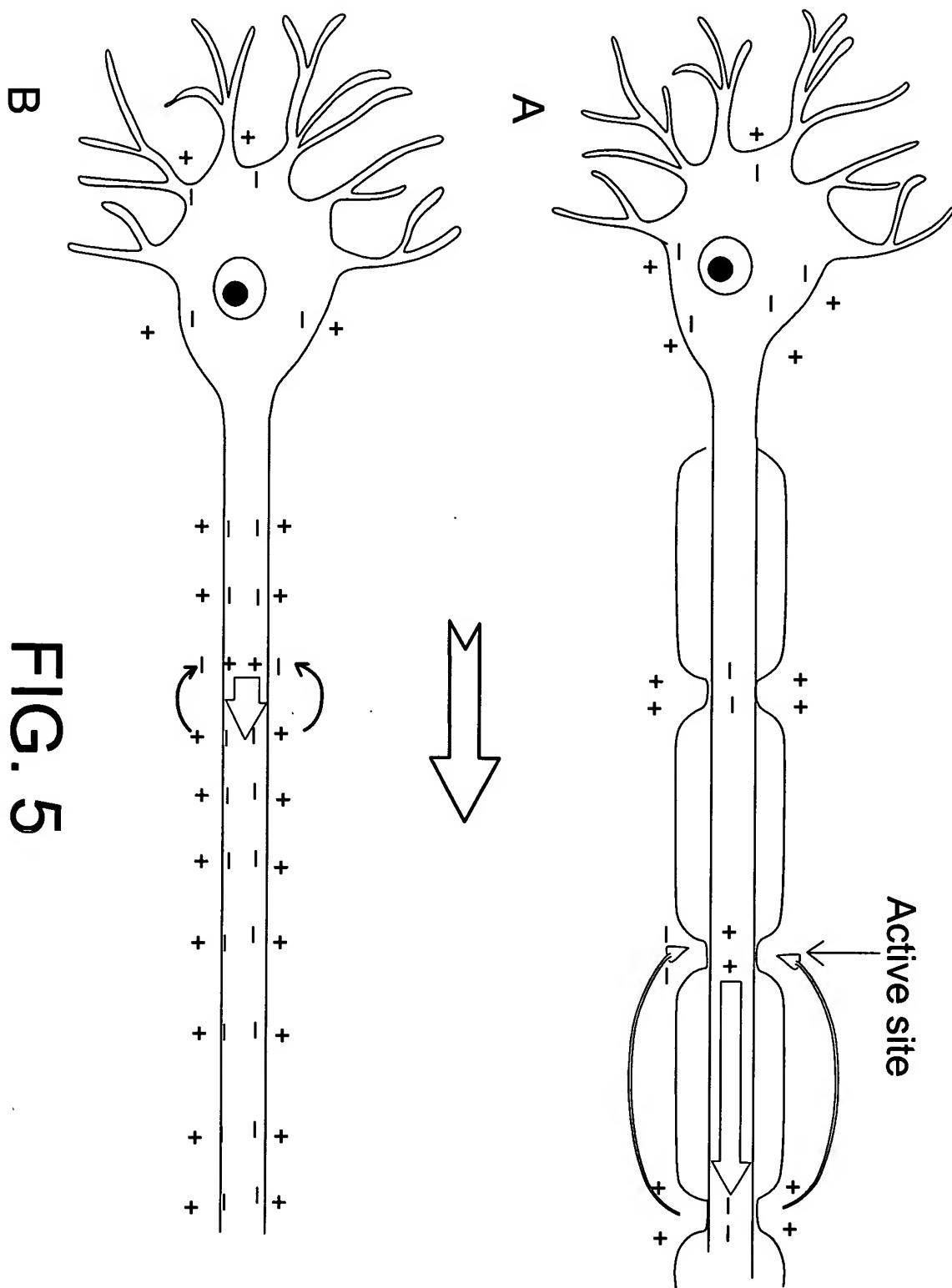


FIG. 5

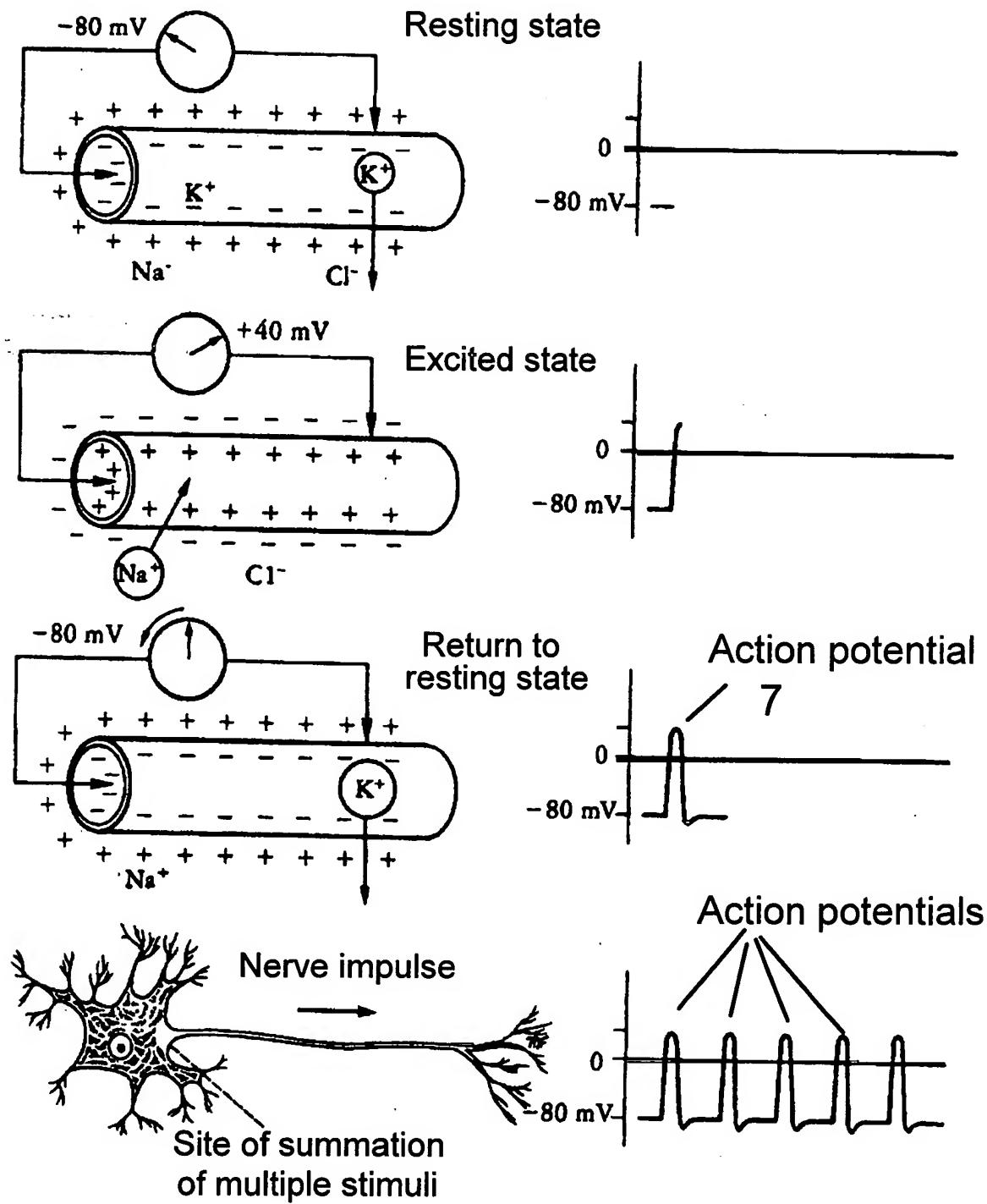


FIG 6

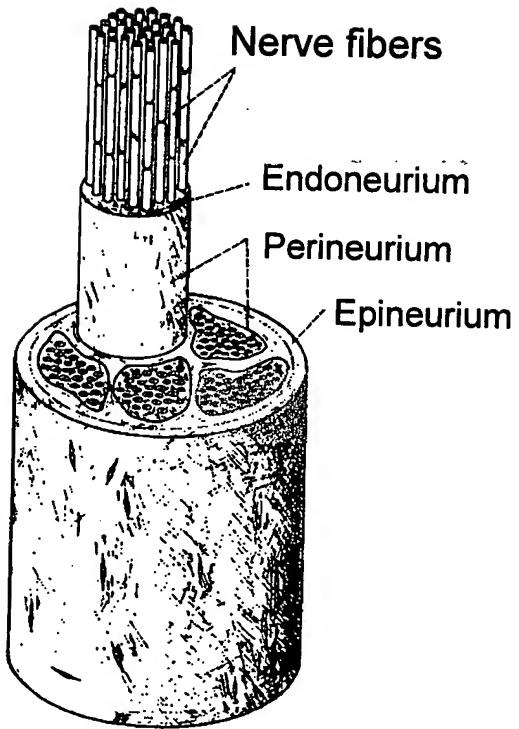


FIG 7

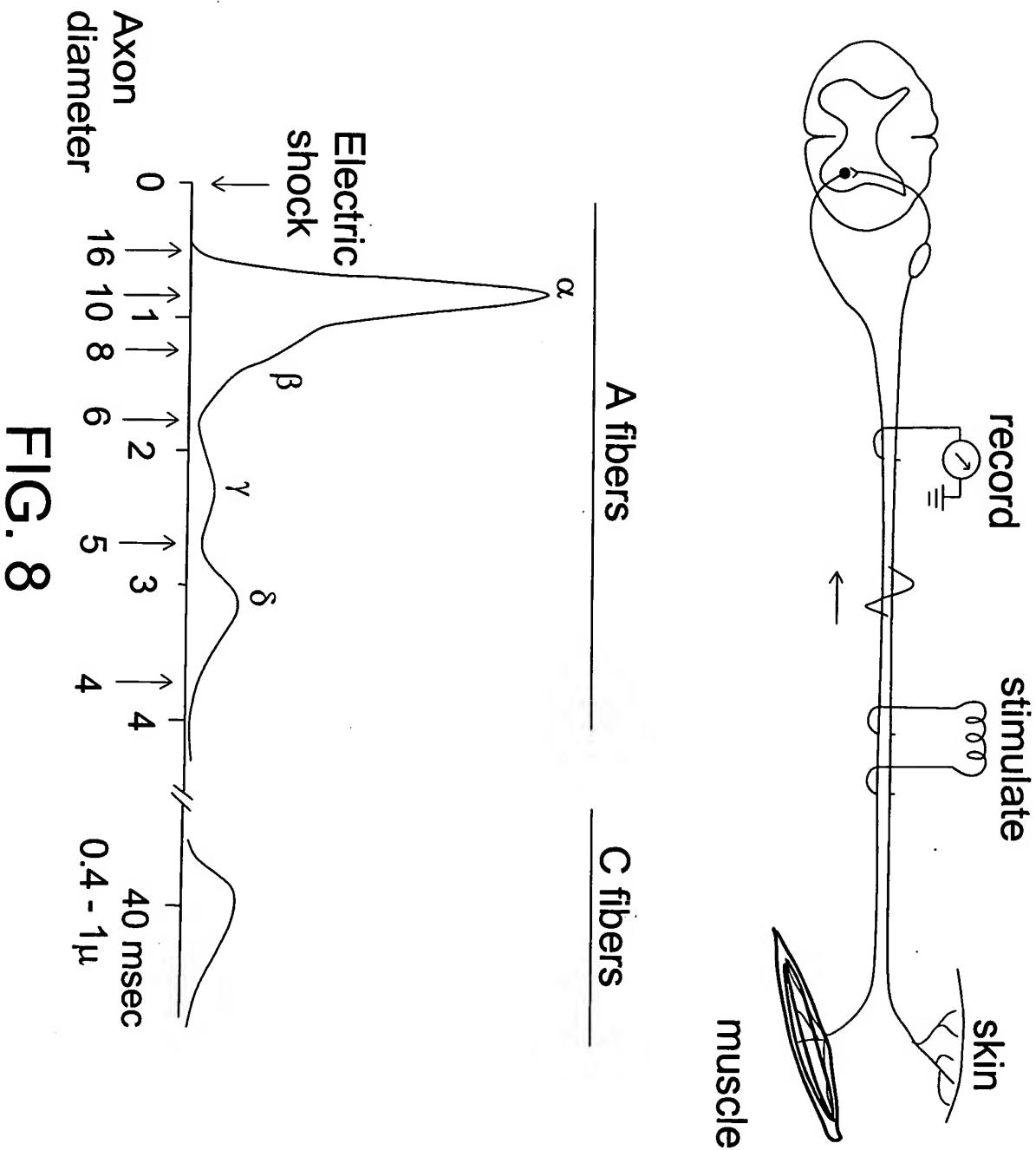


FIG. 8

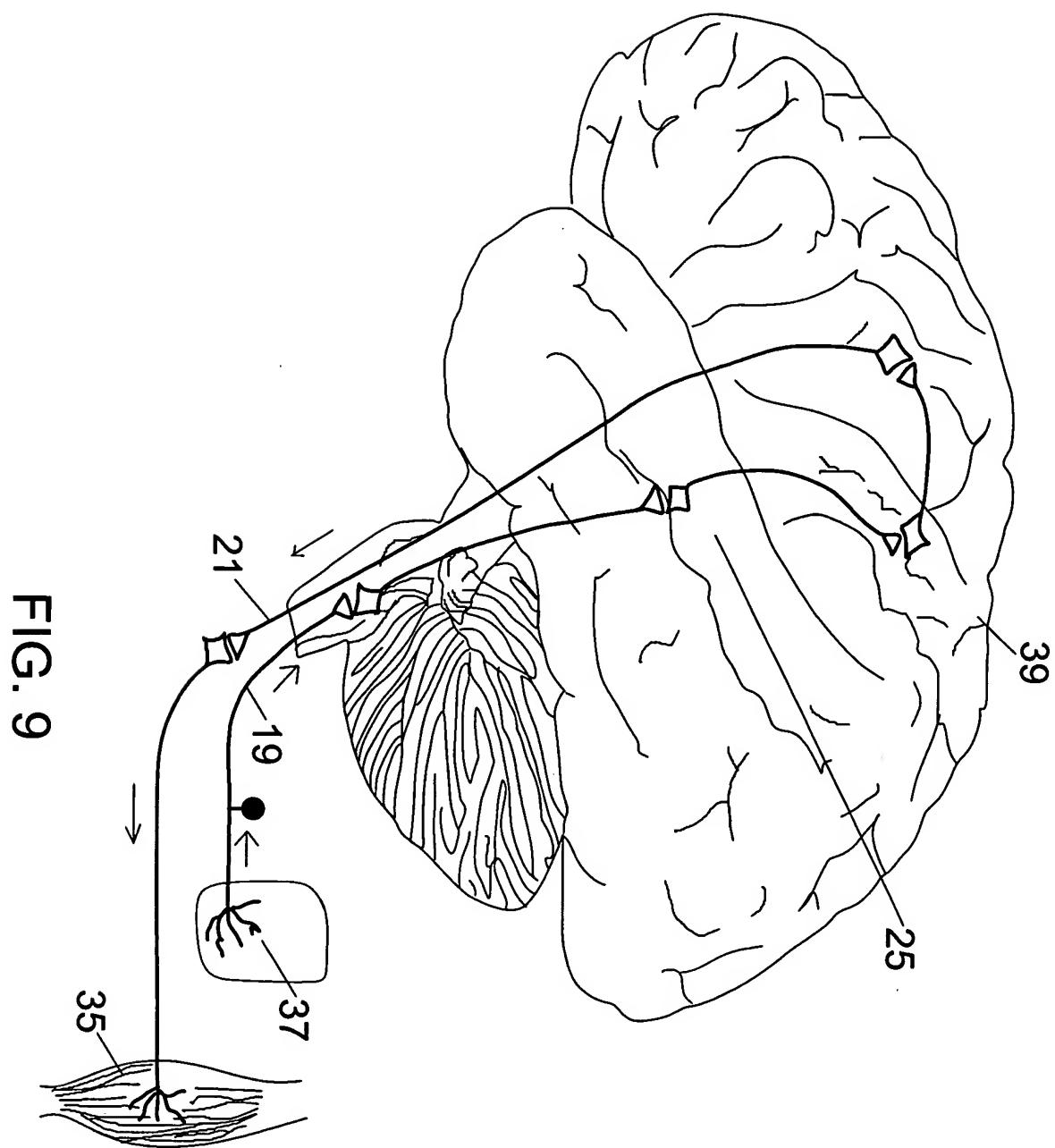


FIG. 9

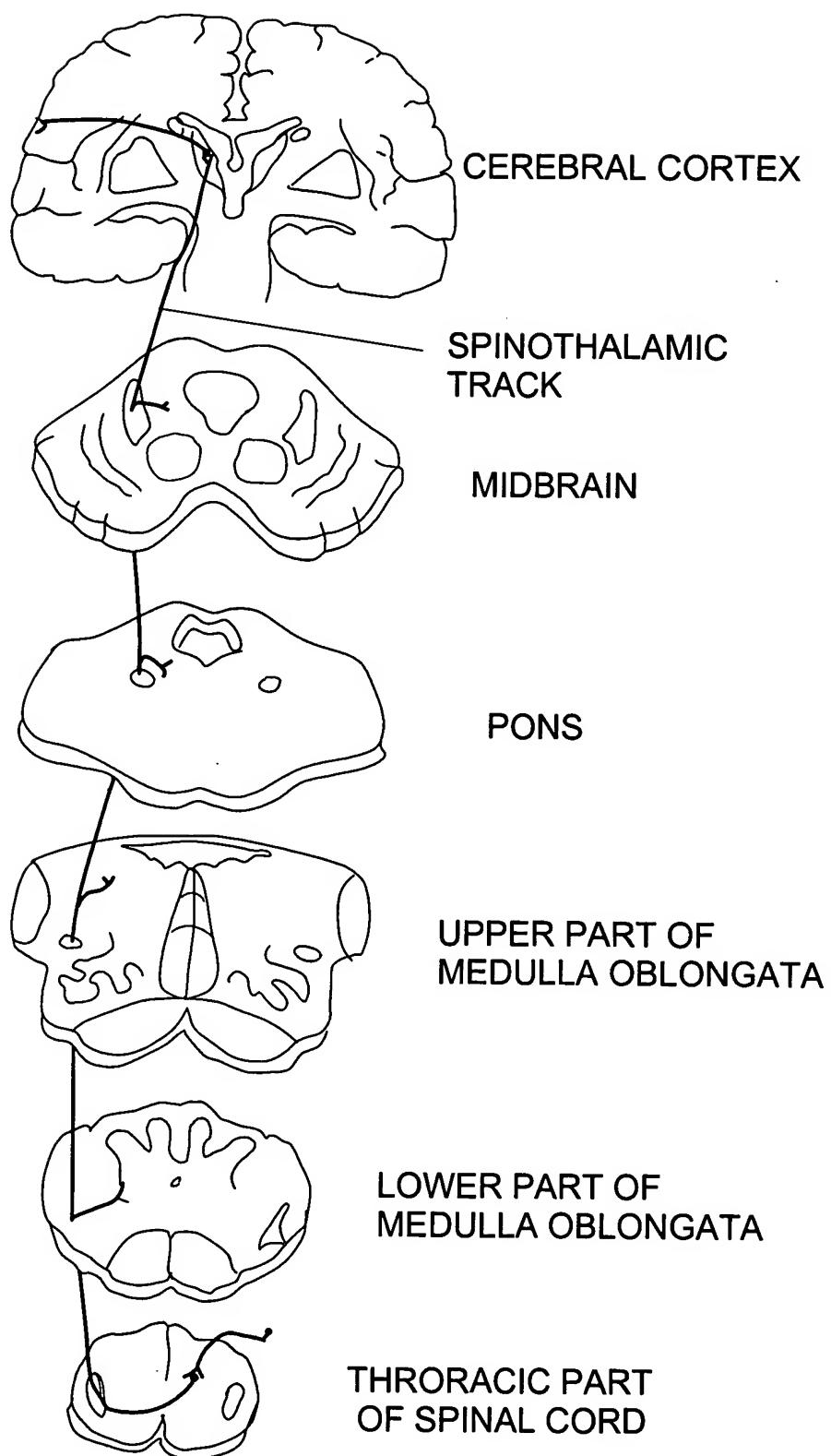


FIG. 10

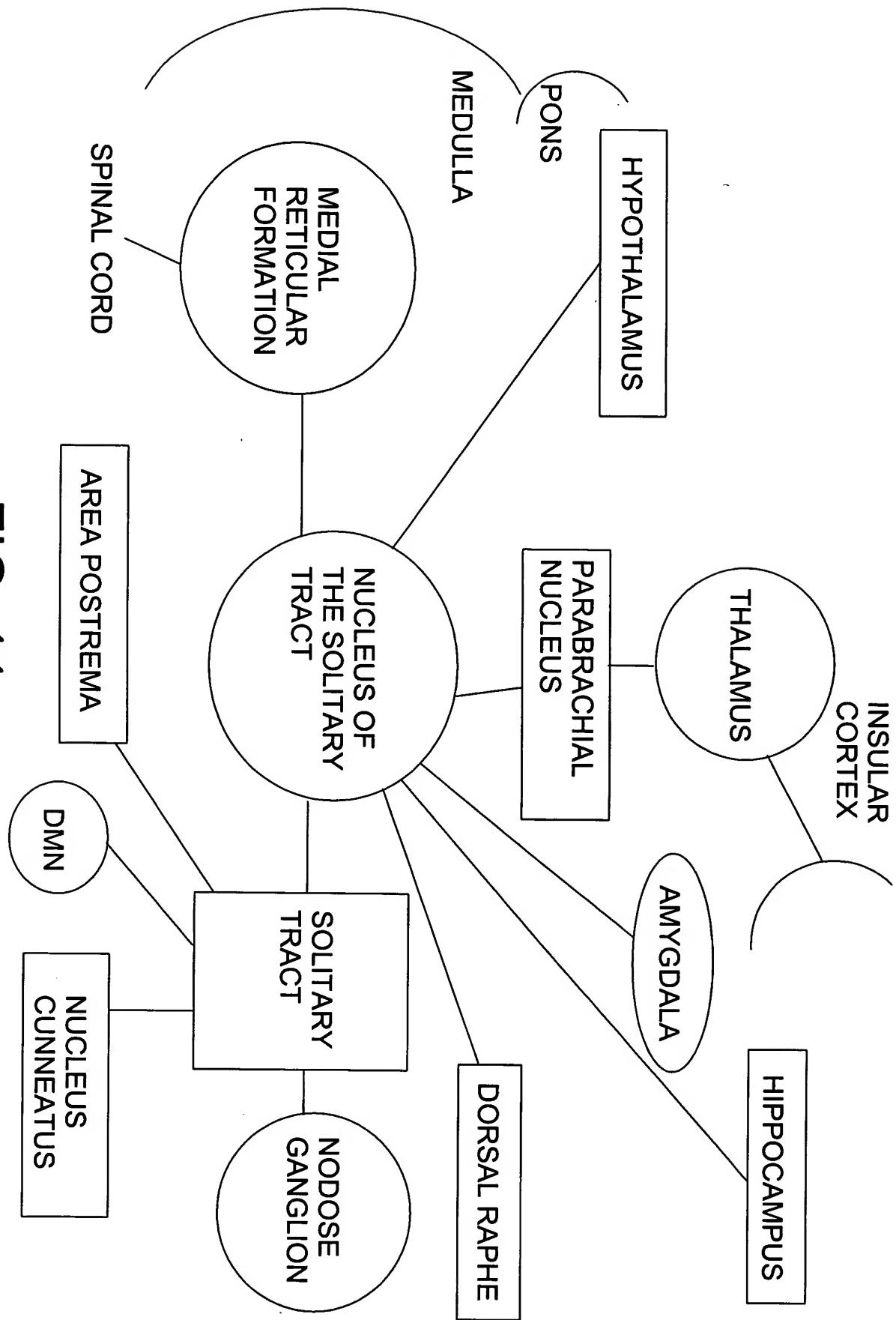


FIG. 11

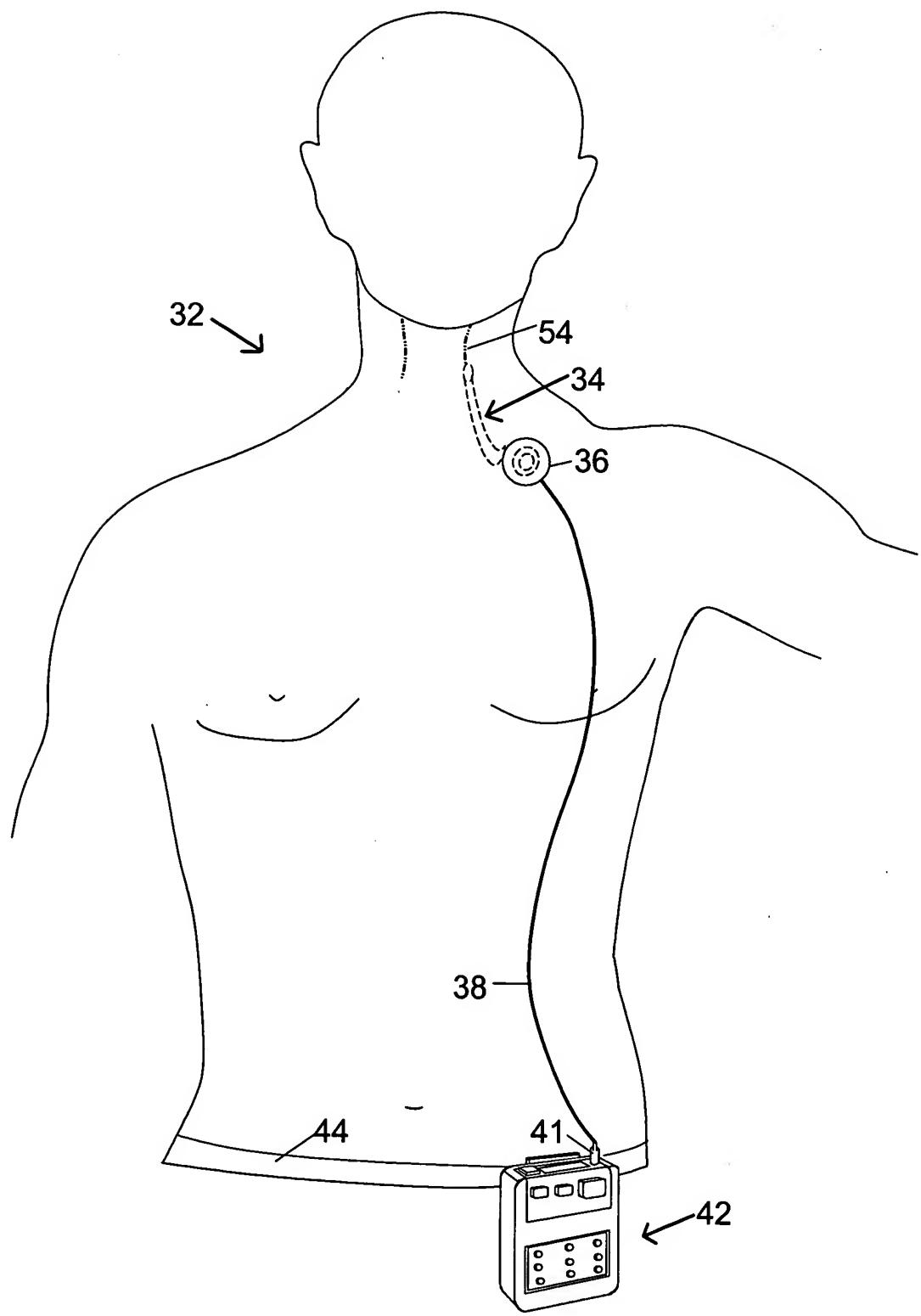


FIG. 12

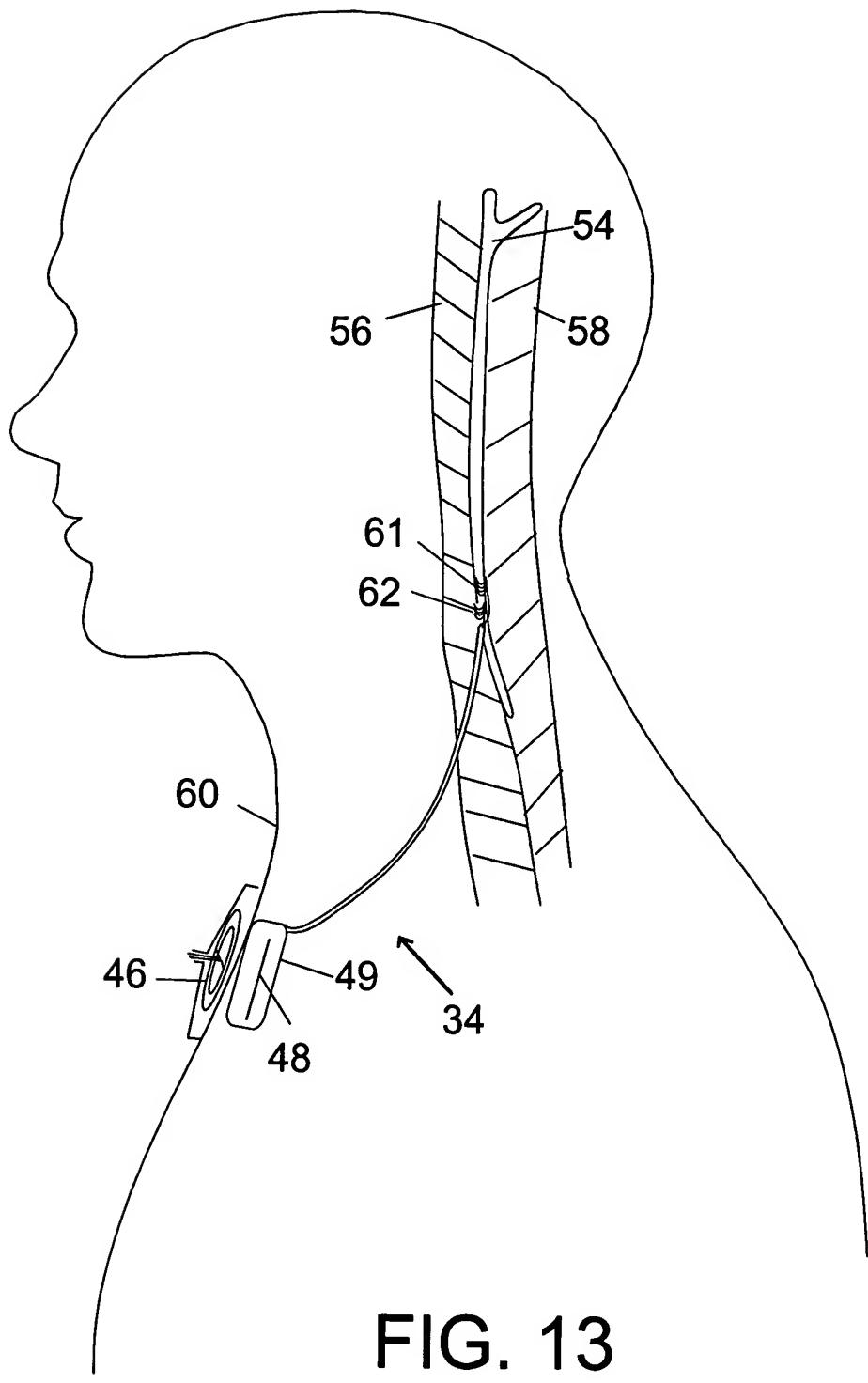


FIG. 13

FIG. 14

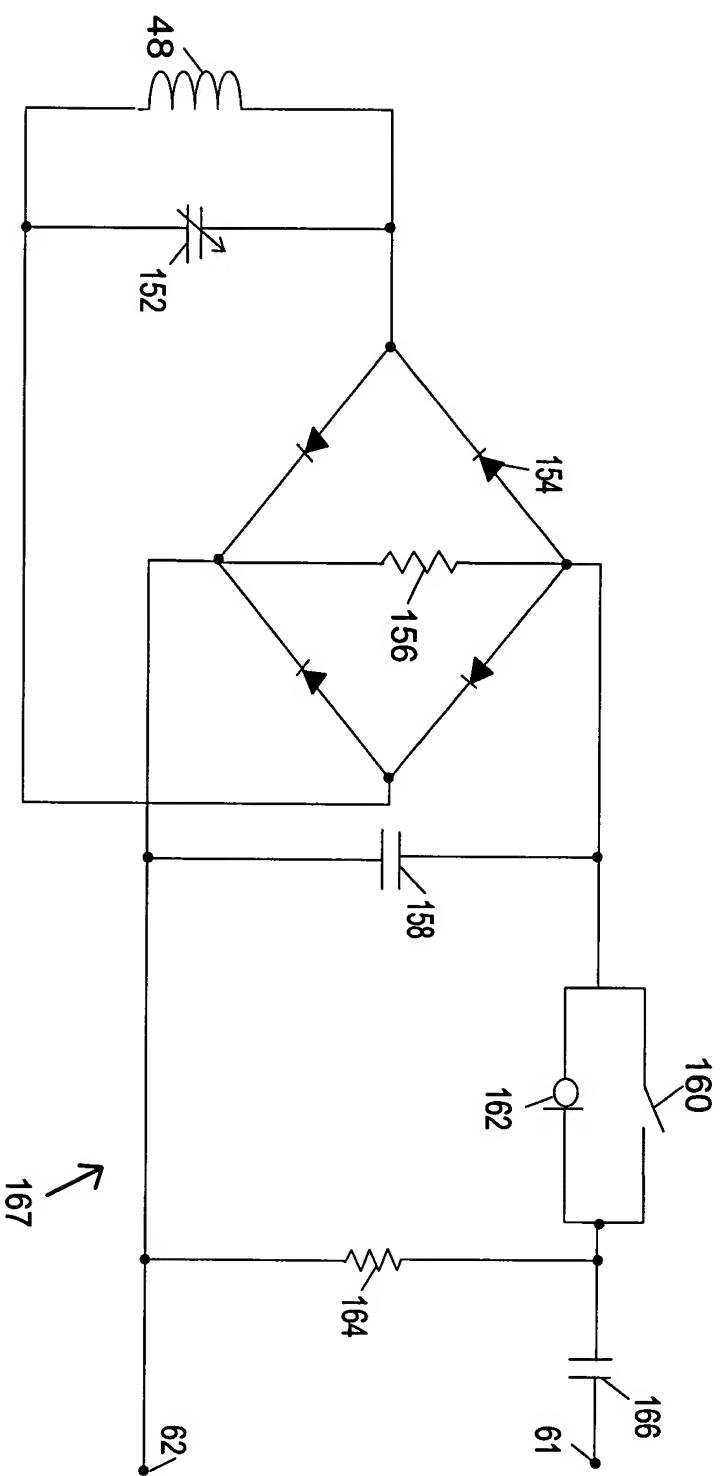


FIG. 15 A

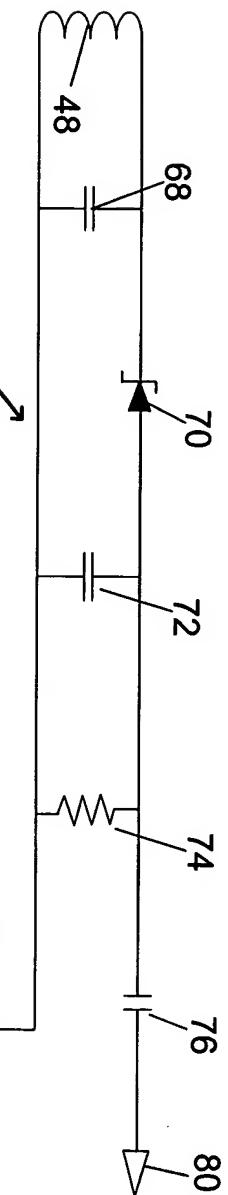
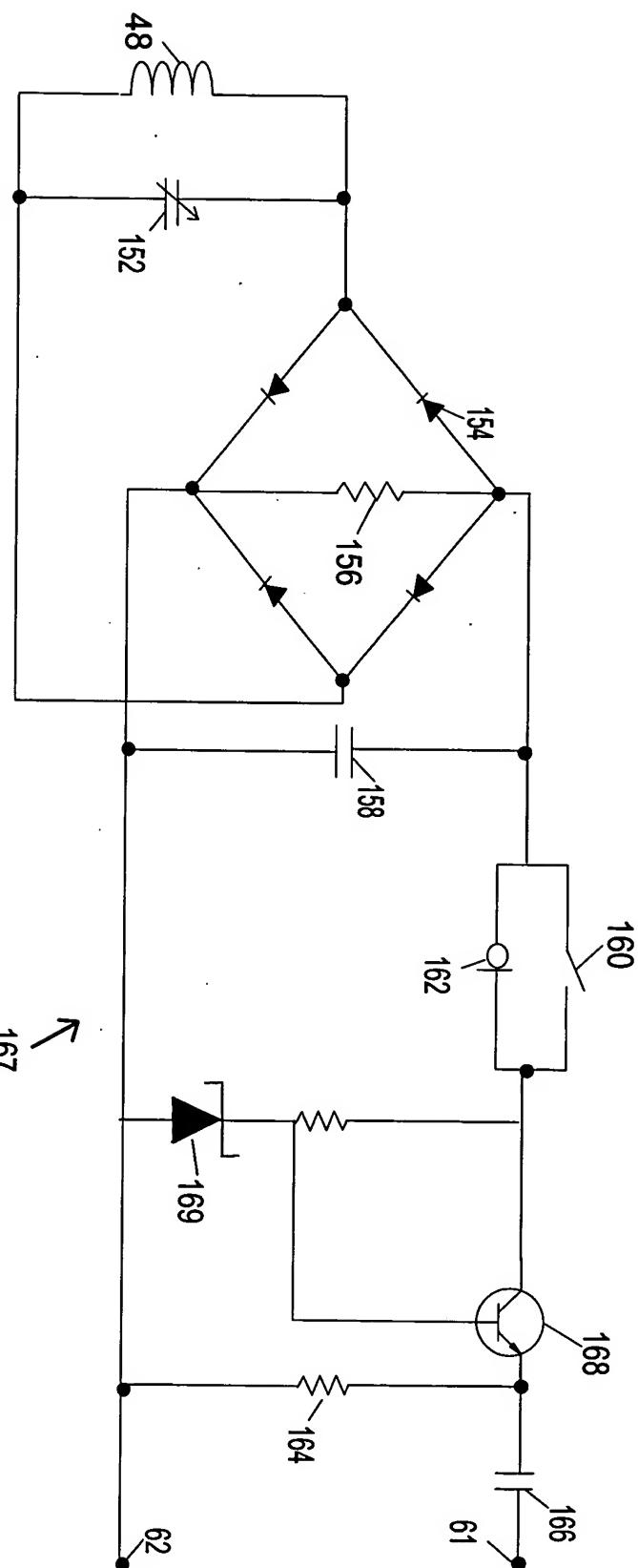


FIG. 15B



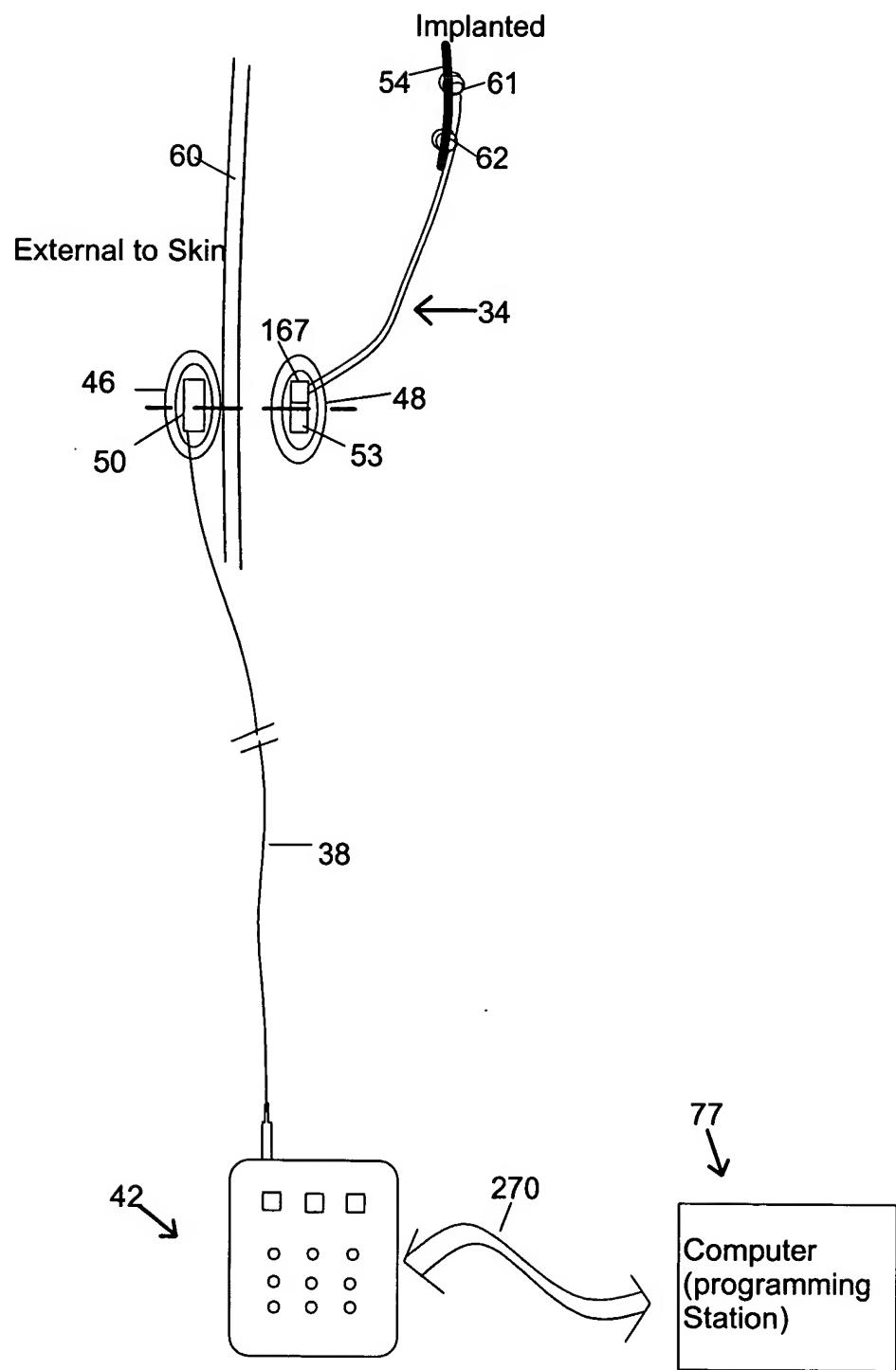


FIG. 16

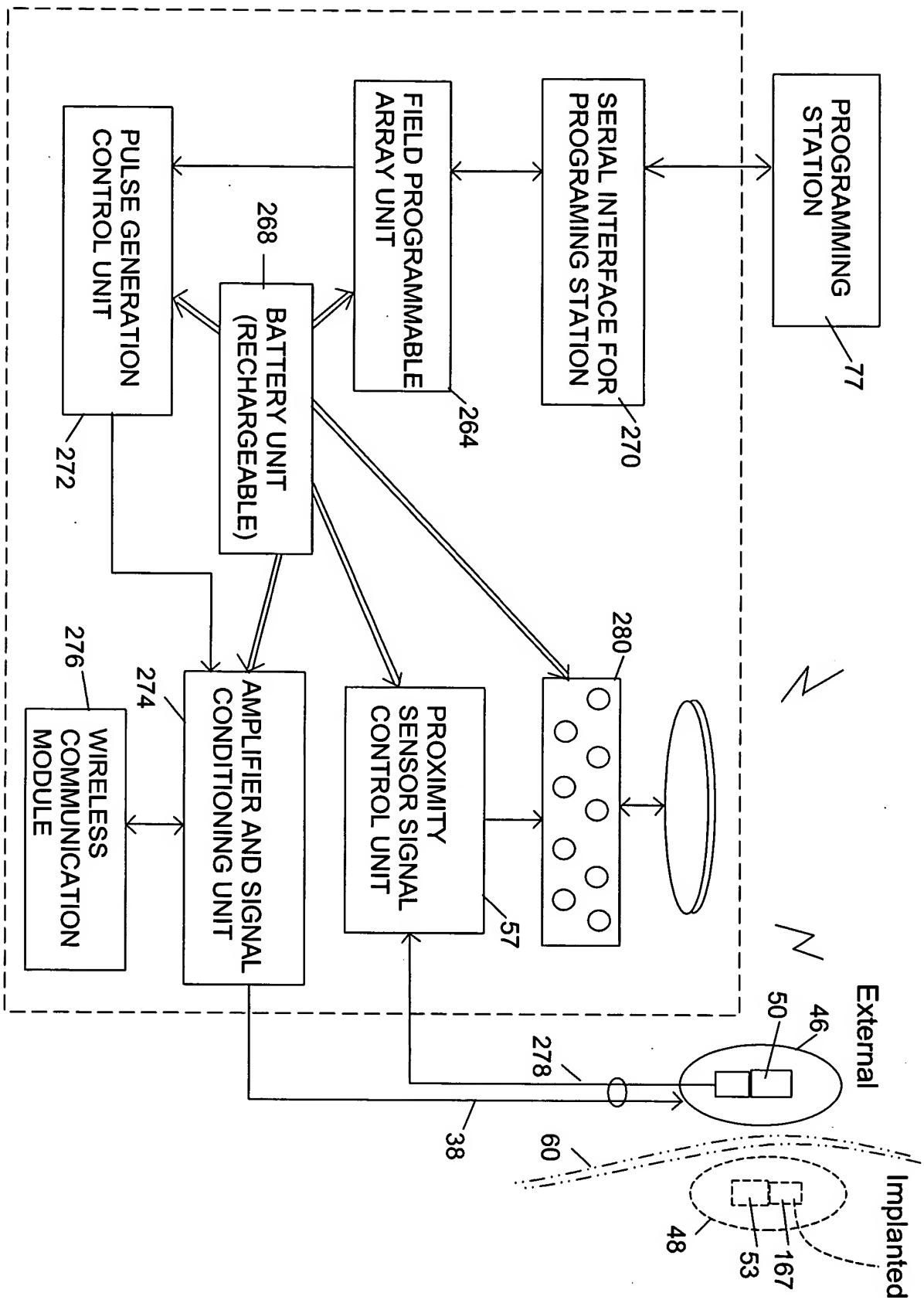


FIG. 17

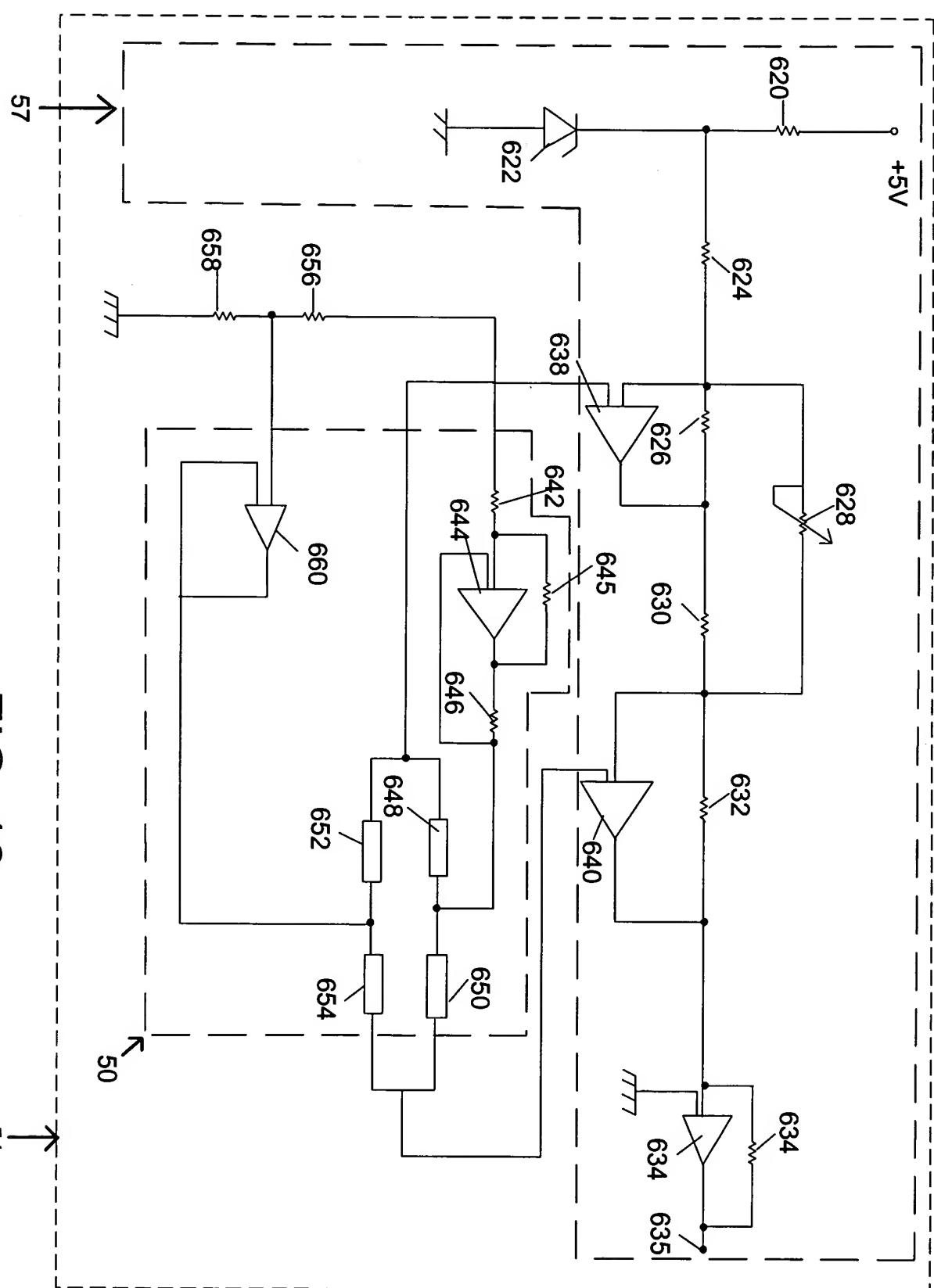


FIG. 18

pulse width (ms or μ s)

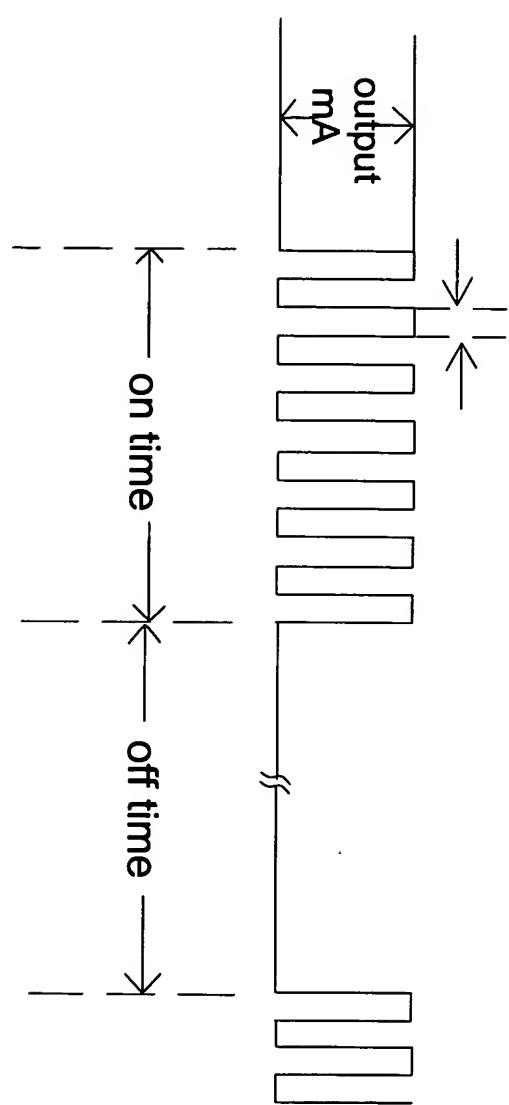


FIG. 19

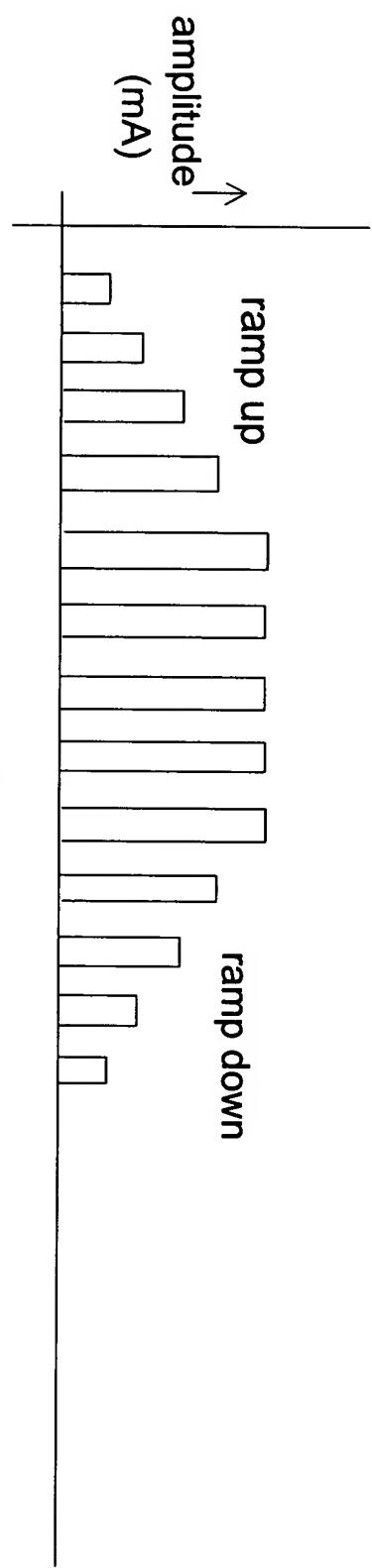


FIG. 20

FIG. 21

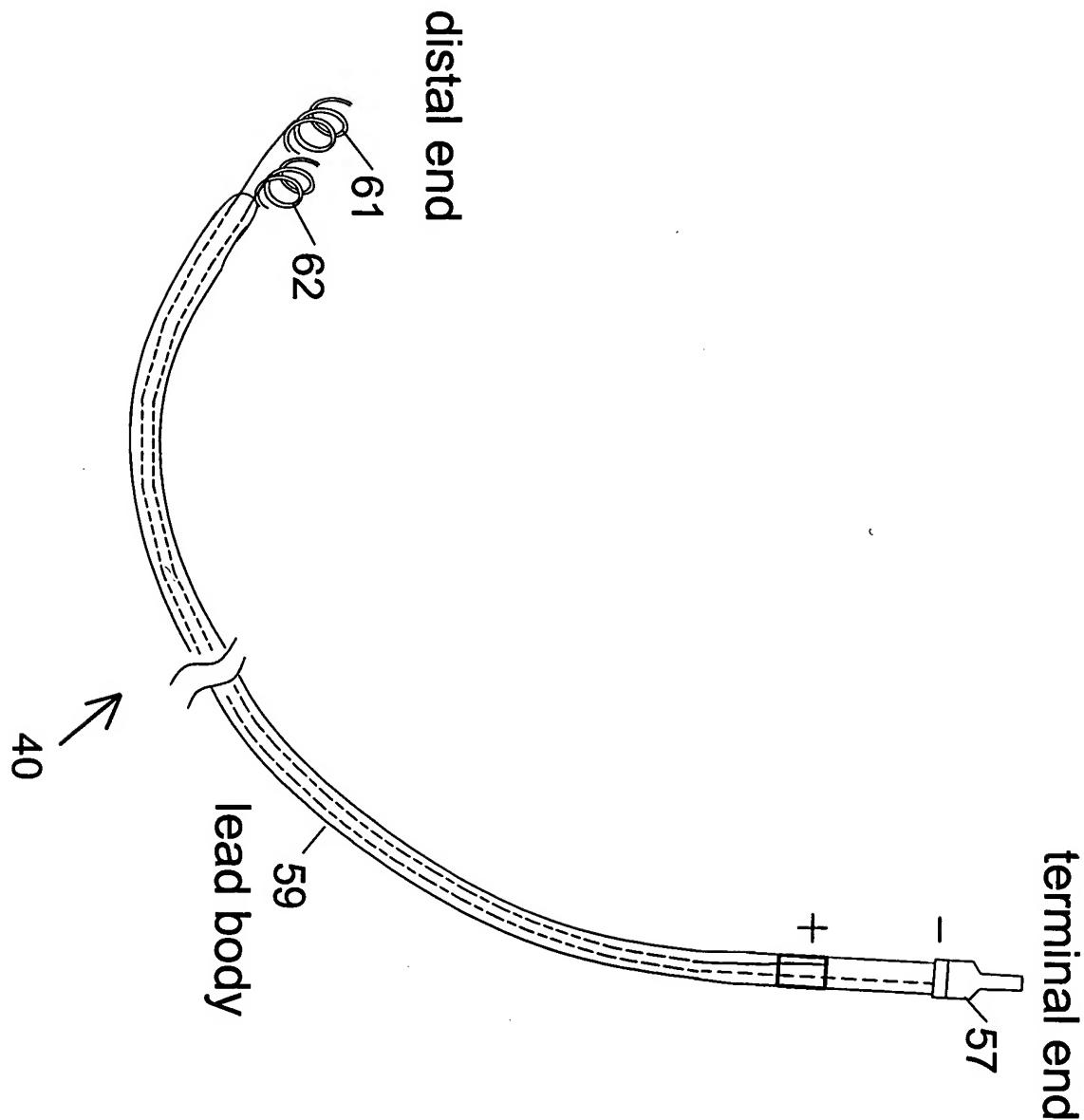
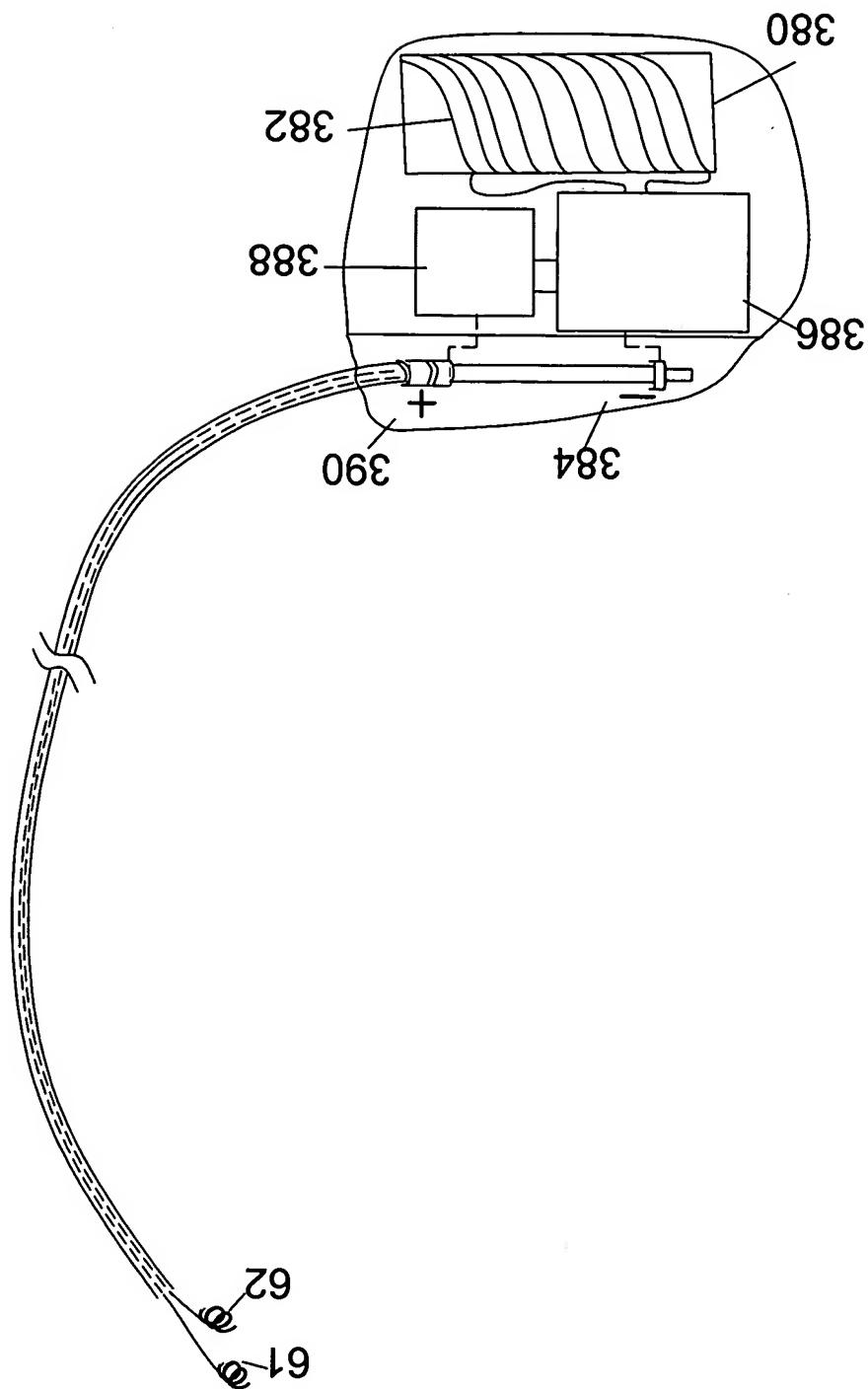
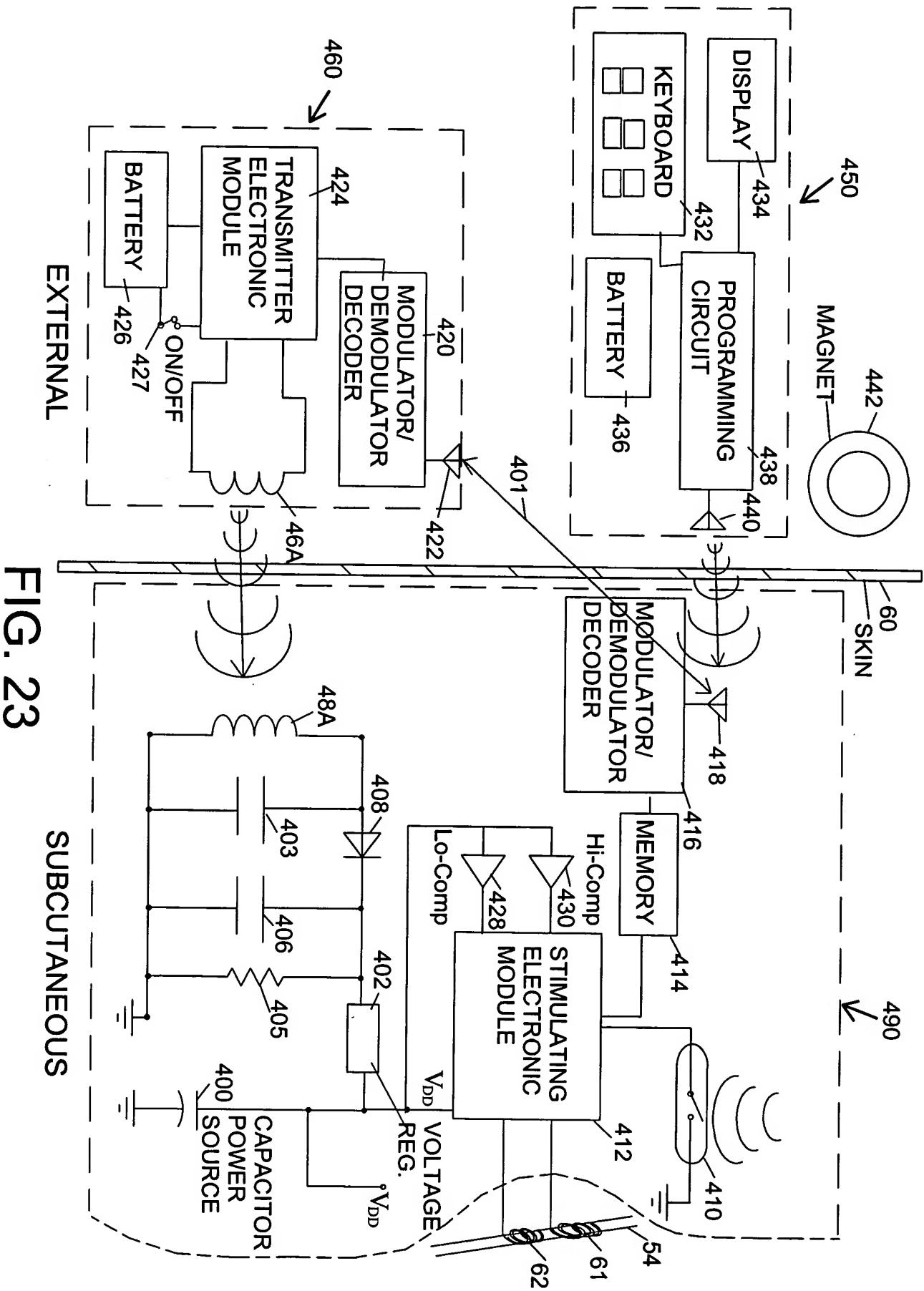


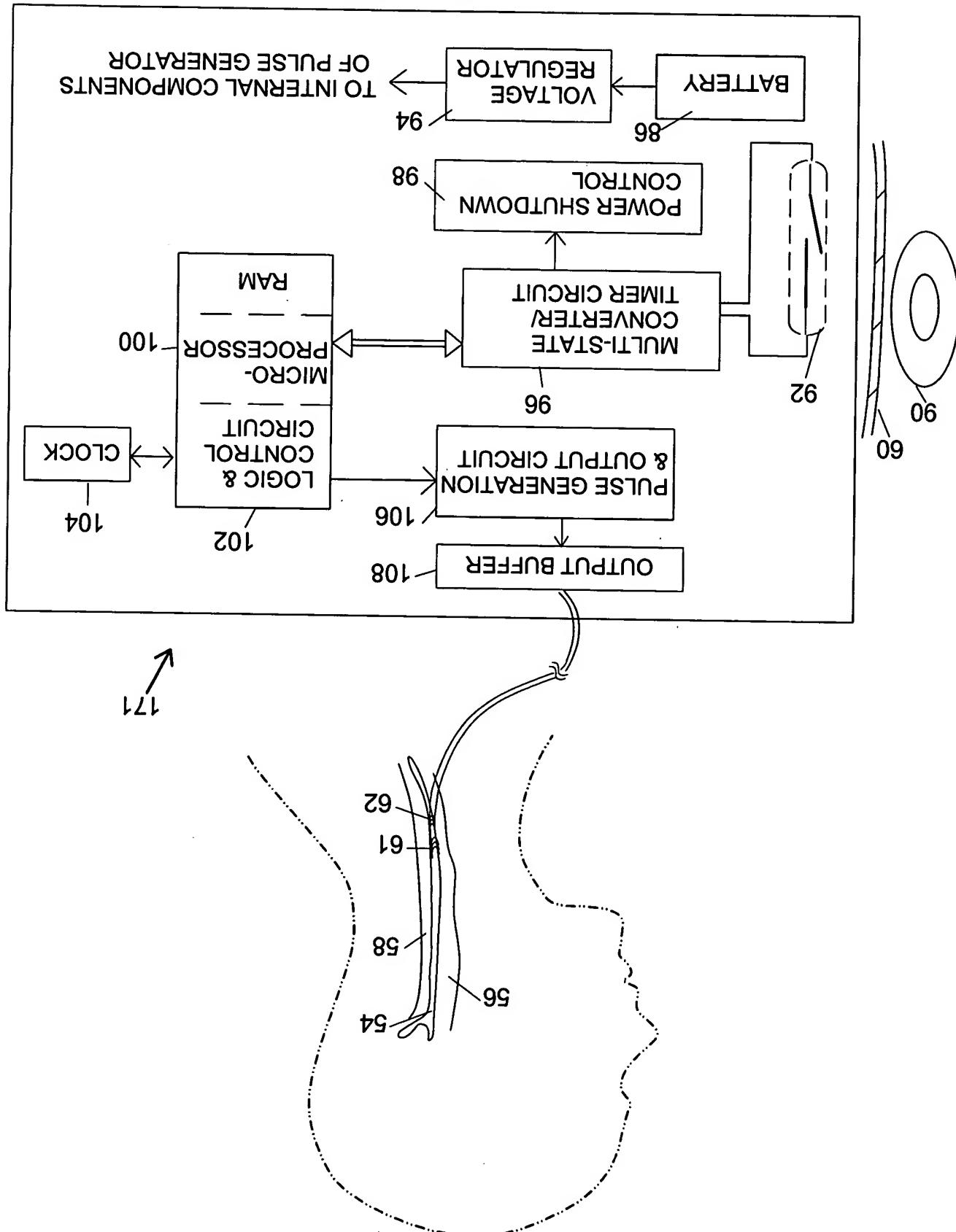
FIG. 22





TIG. 23

FIG. 24A



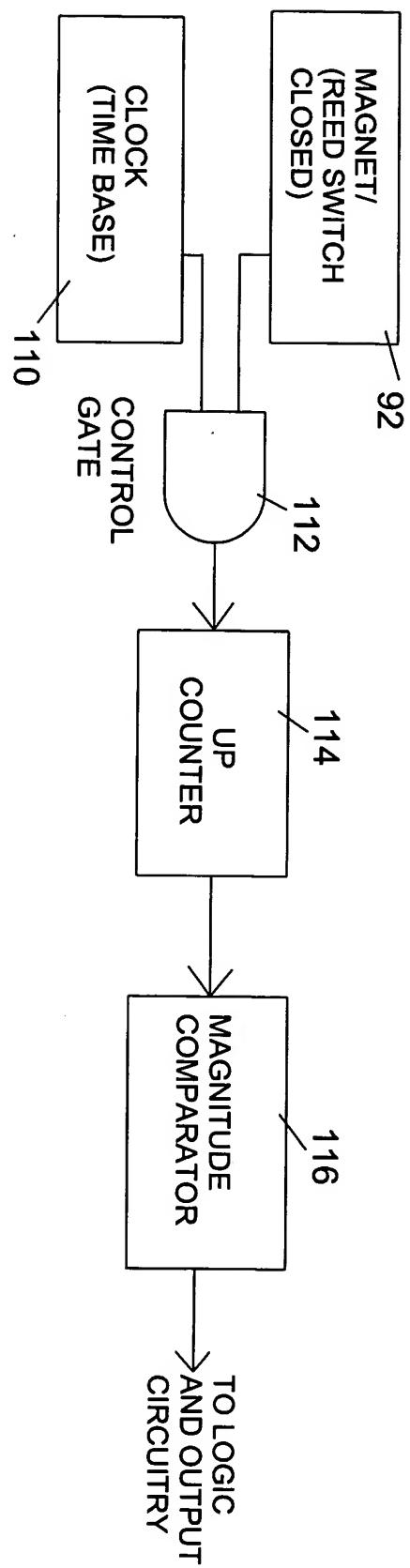


FIG. 24B

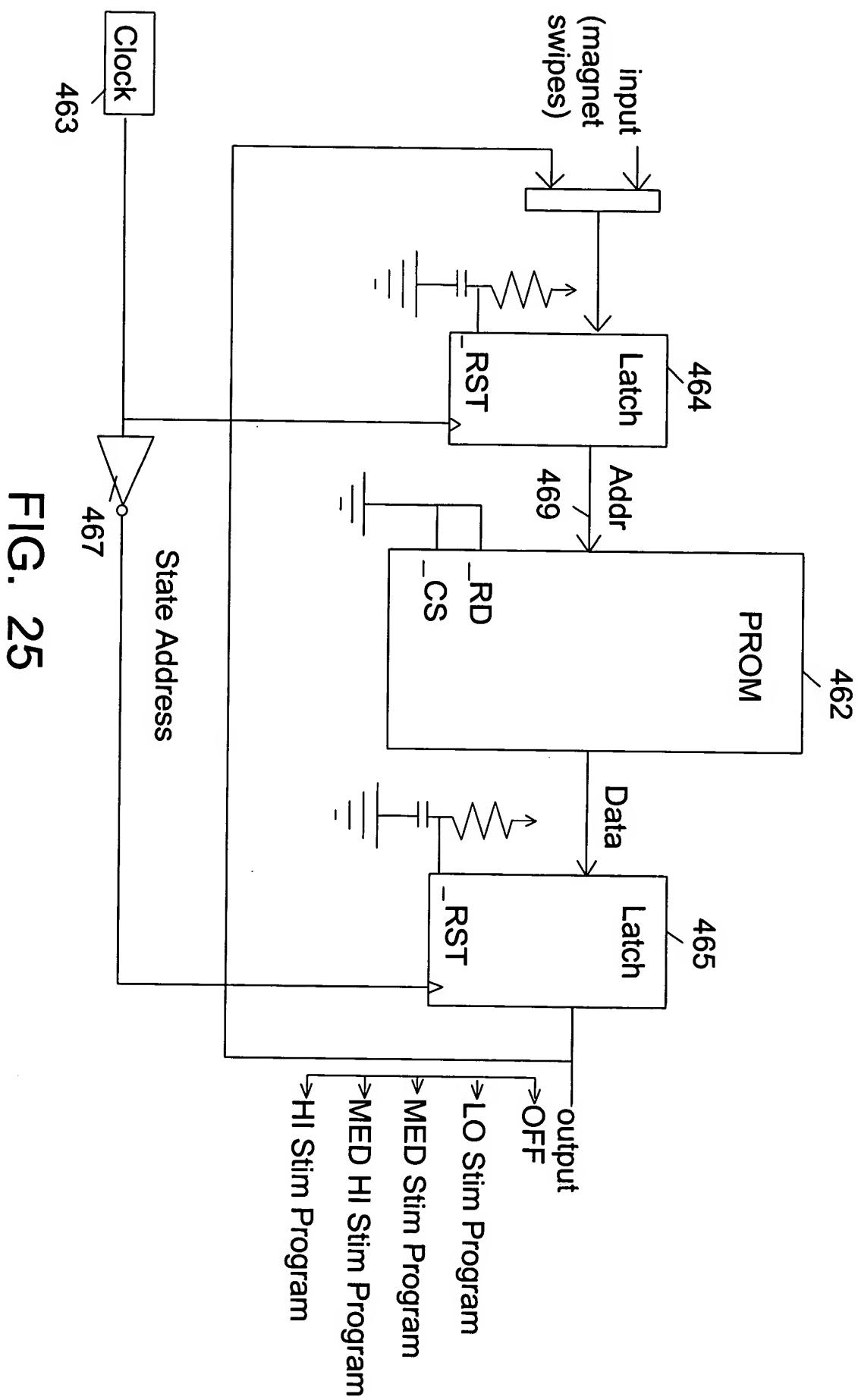


FIG. 25

Implantable Stimulator Unit

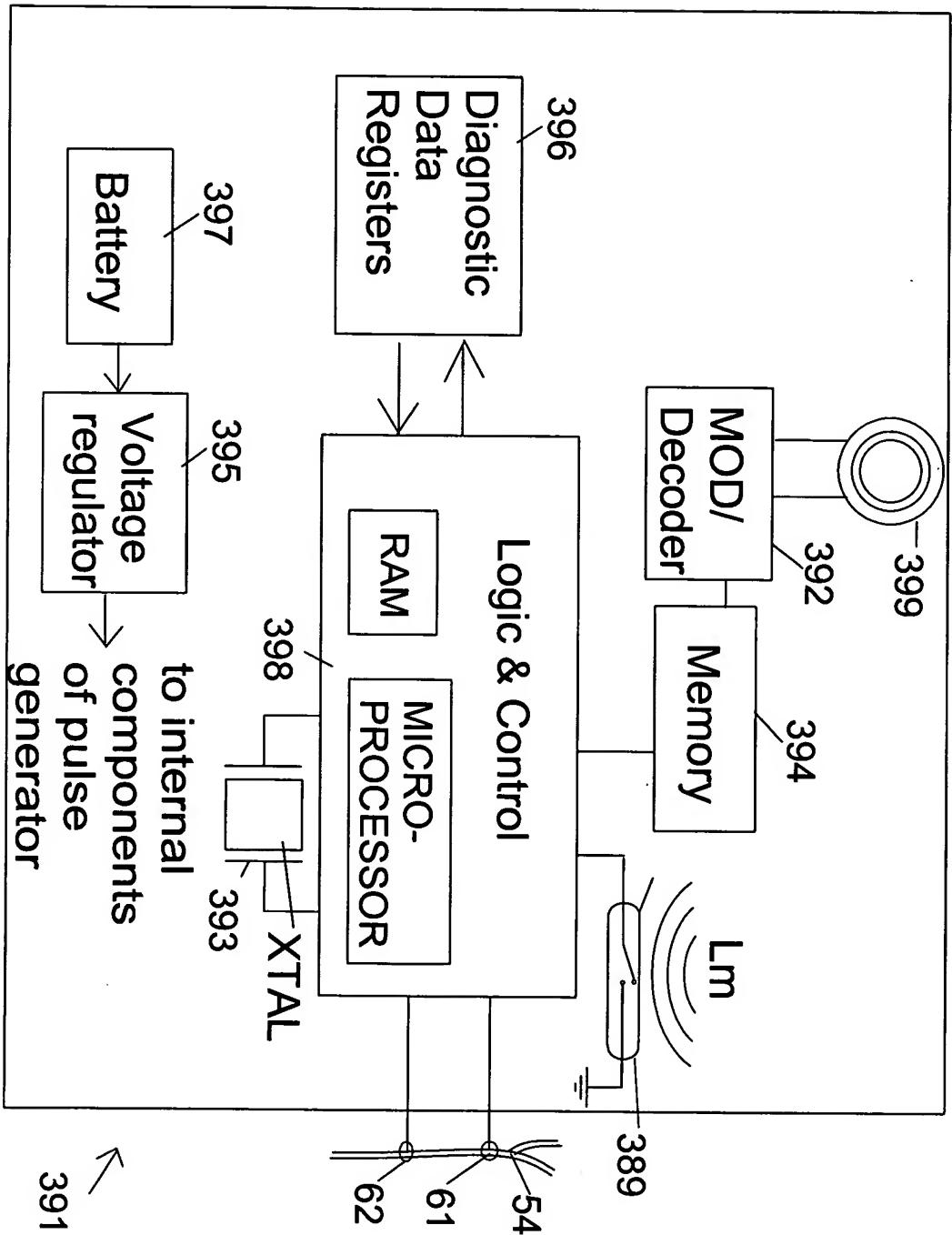


FIG. 26

Programmer Telemetry Coil

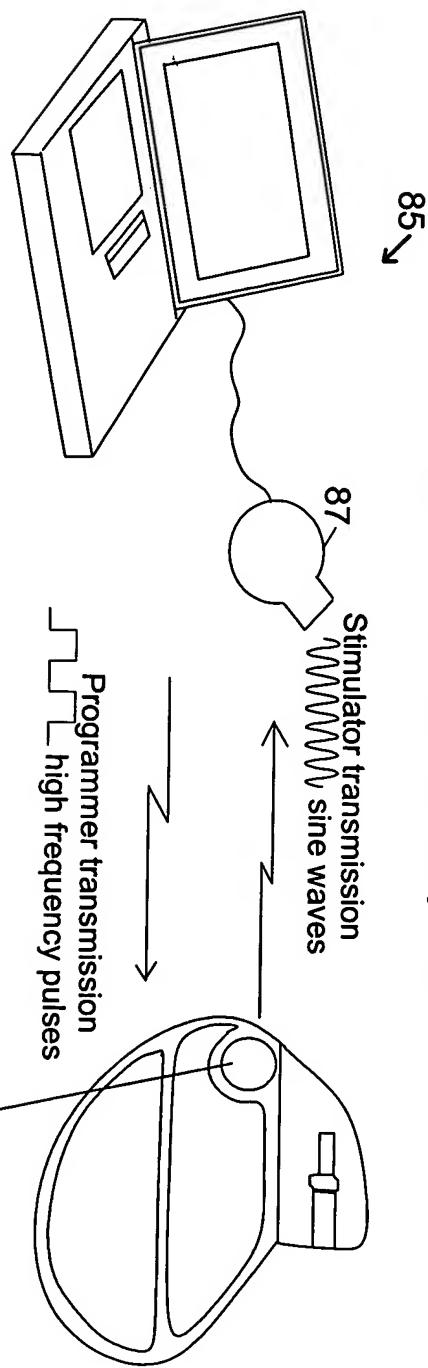


FIG. 27 A

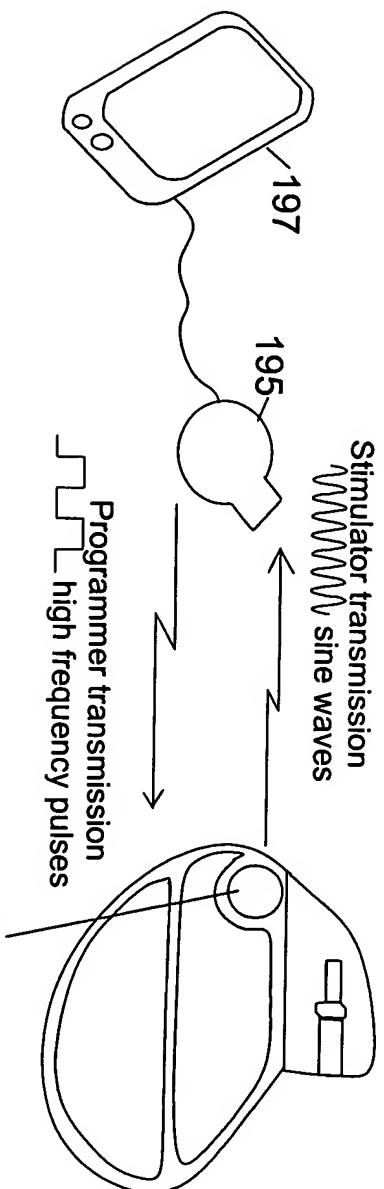


FIG. 27 B

Stimulator Telemetry Coil (399)

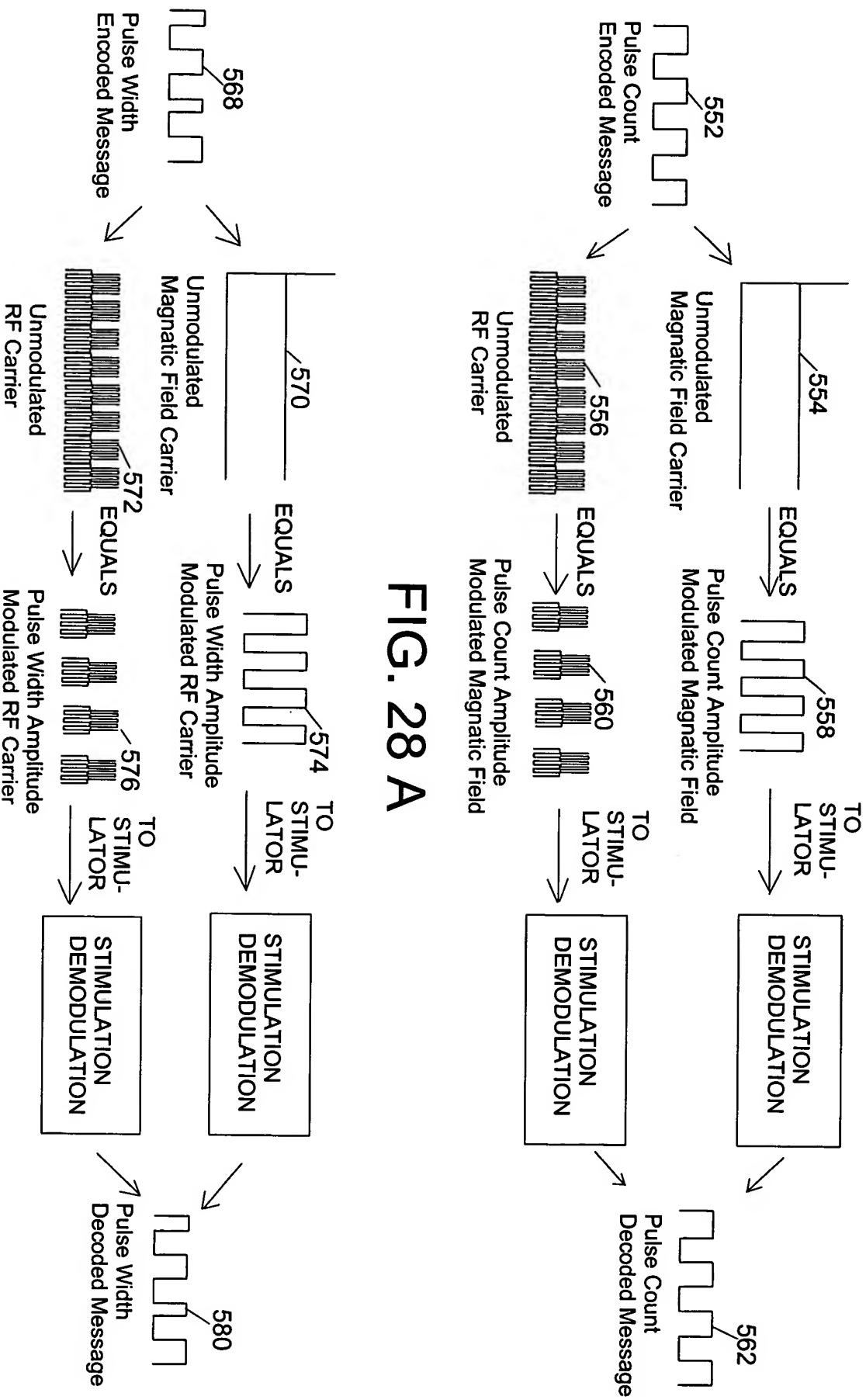


FIG. 28 A

FIG. 28 B

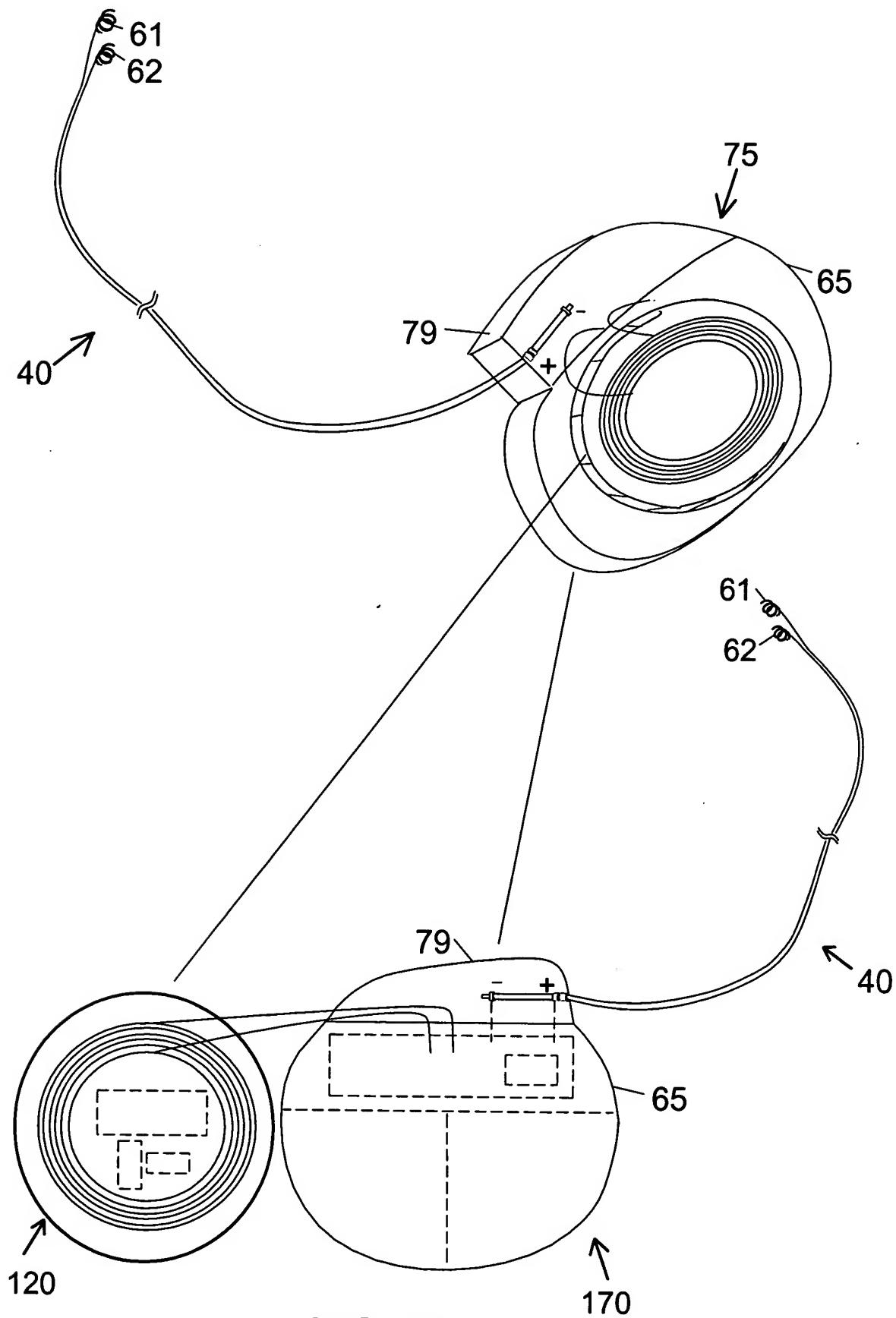


FIG. 29

Implanted components ↵ 75

Components inside the titanium enclosure



174

176

Components outside the titanium enclosure



MOD/
Decoder
Memory

182

Lm

H.Comp

Stimulation
Electronic

Module

-Logic &

L.Comp
Control
Section

181 183

Protection
Circuitry

Lim.

40

54

61

62

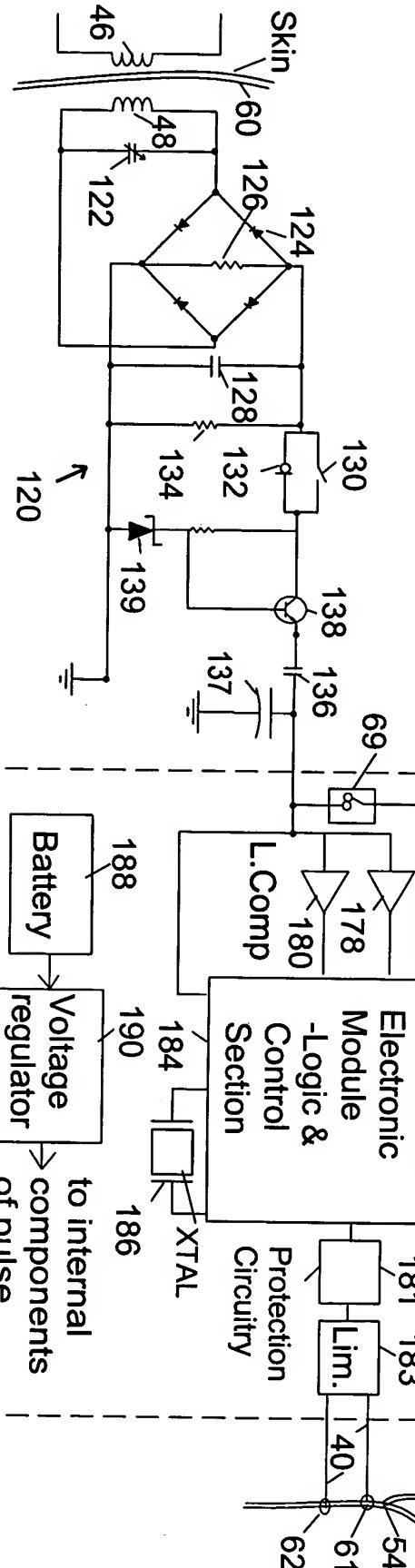


FIG. 30

170

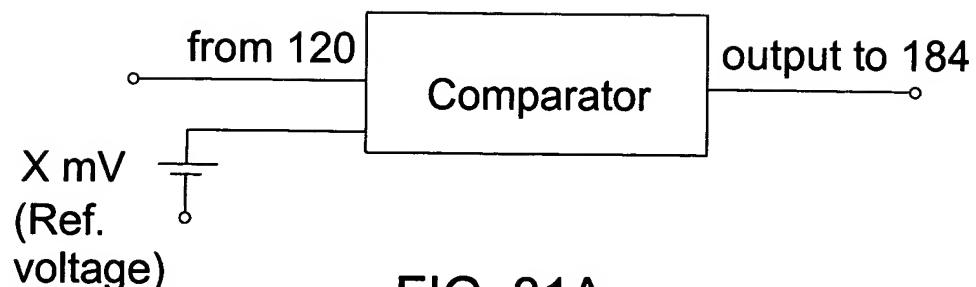


FIG. 31A

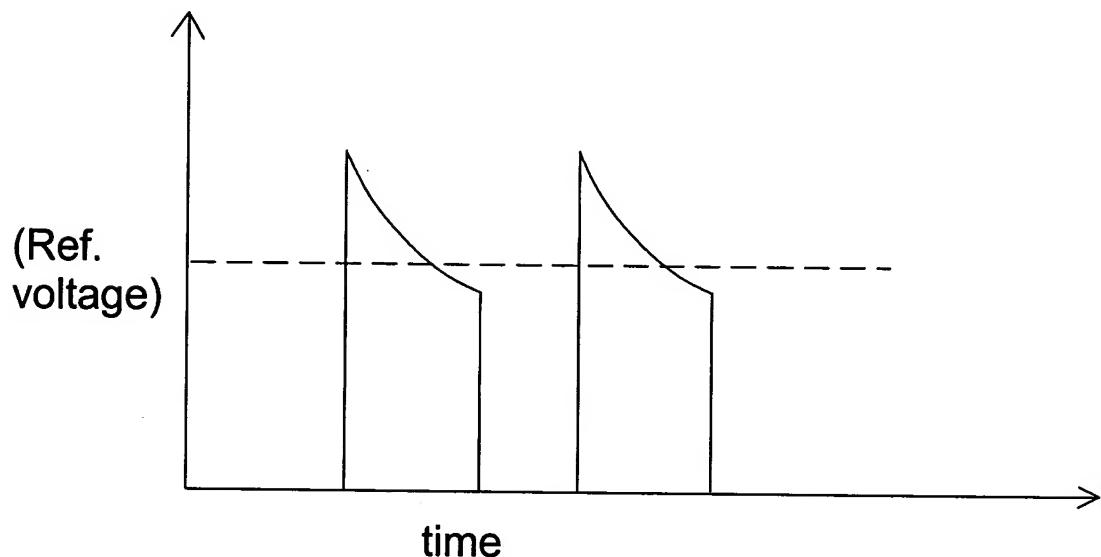


FIG. 31B

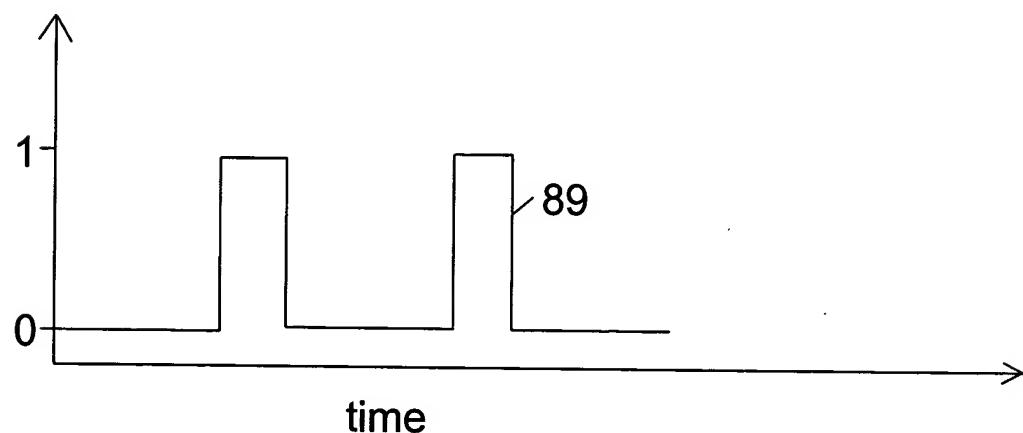


FIG. 31C

During programming

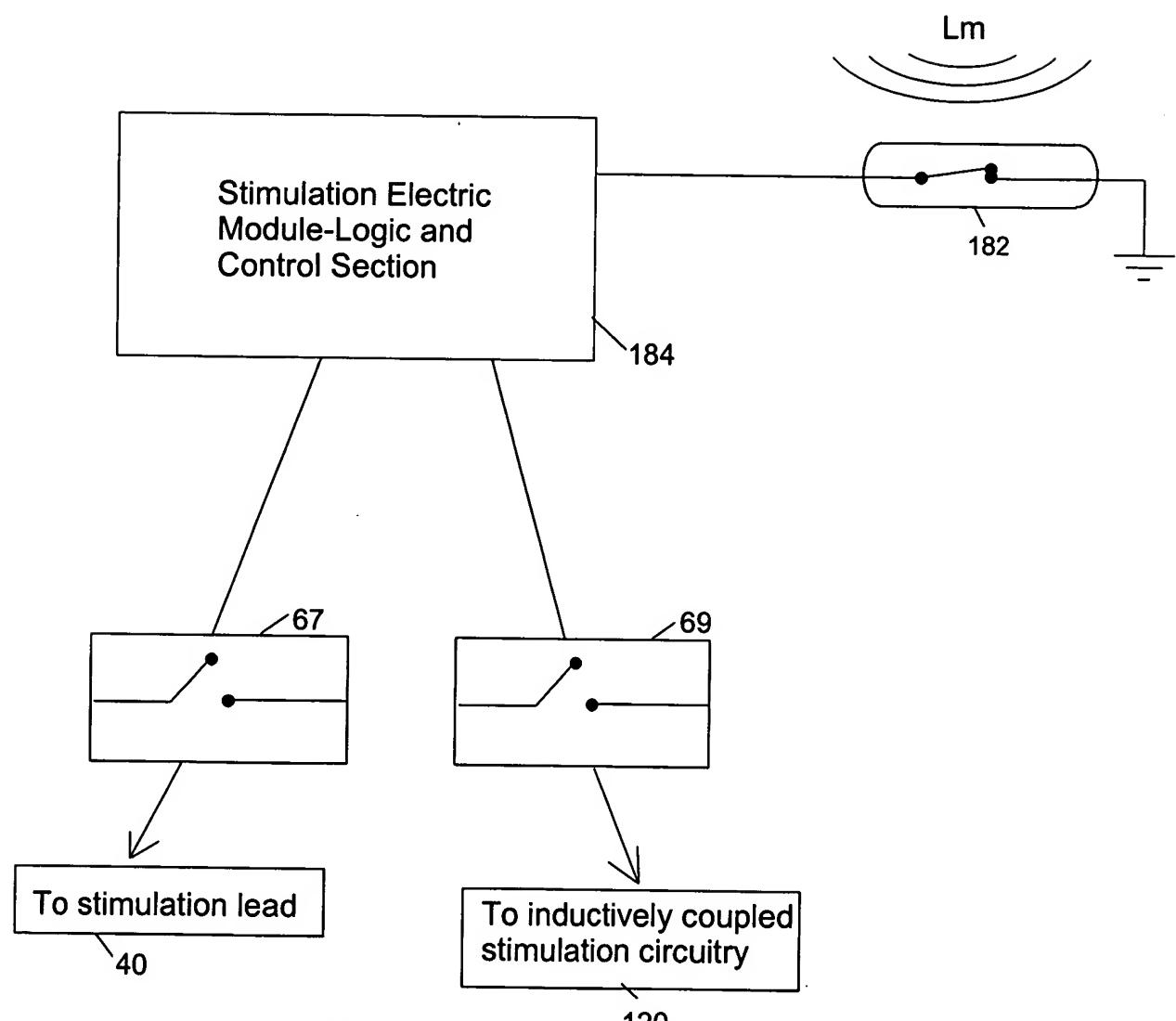


FIG. 32A

During programming

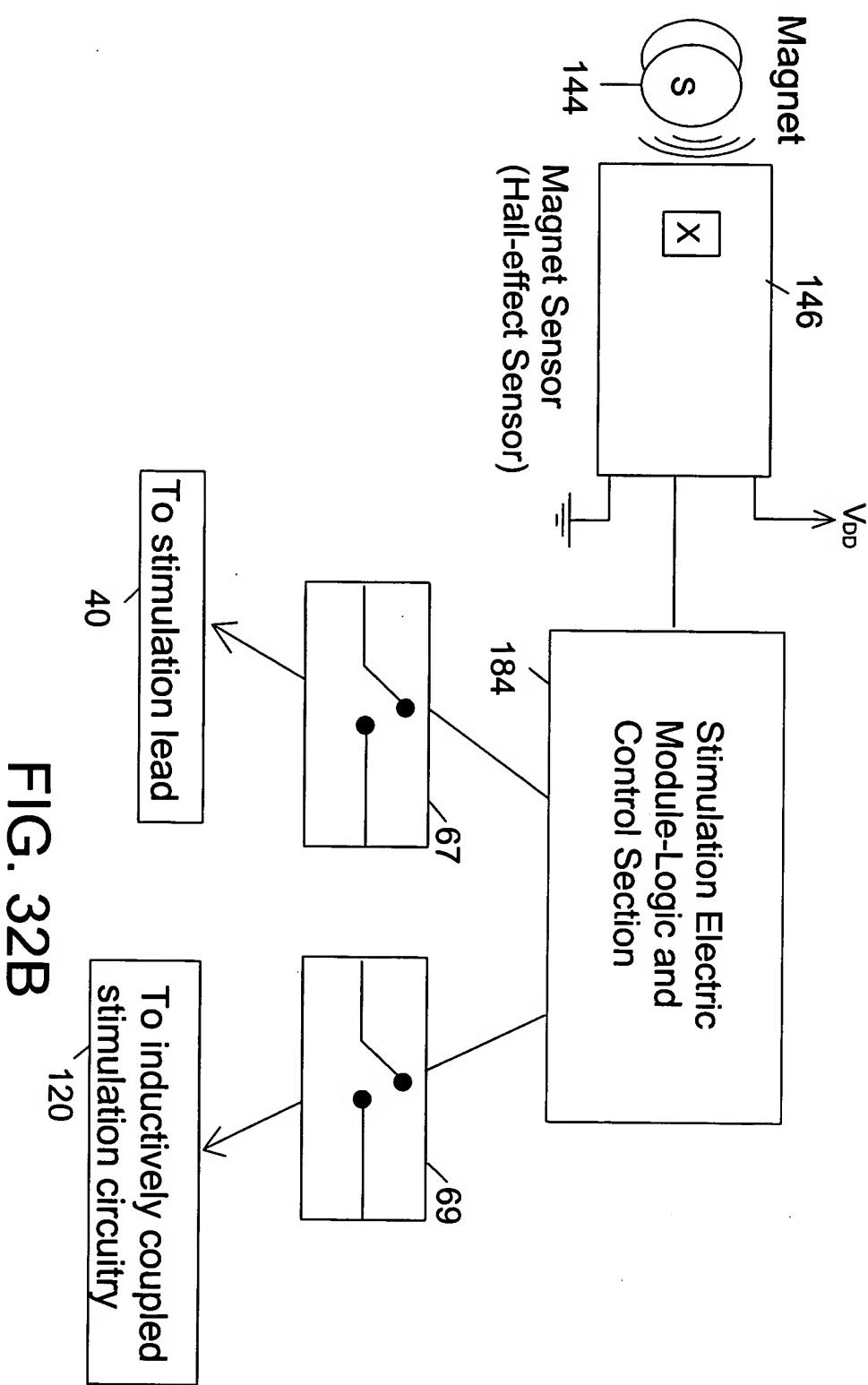


FIG. 32B

120

To inductively coupled
stimulation circuitry

40

To stimulation lead

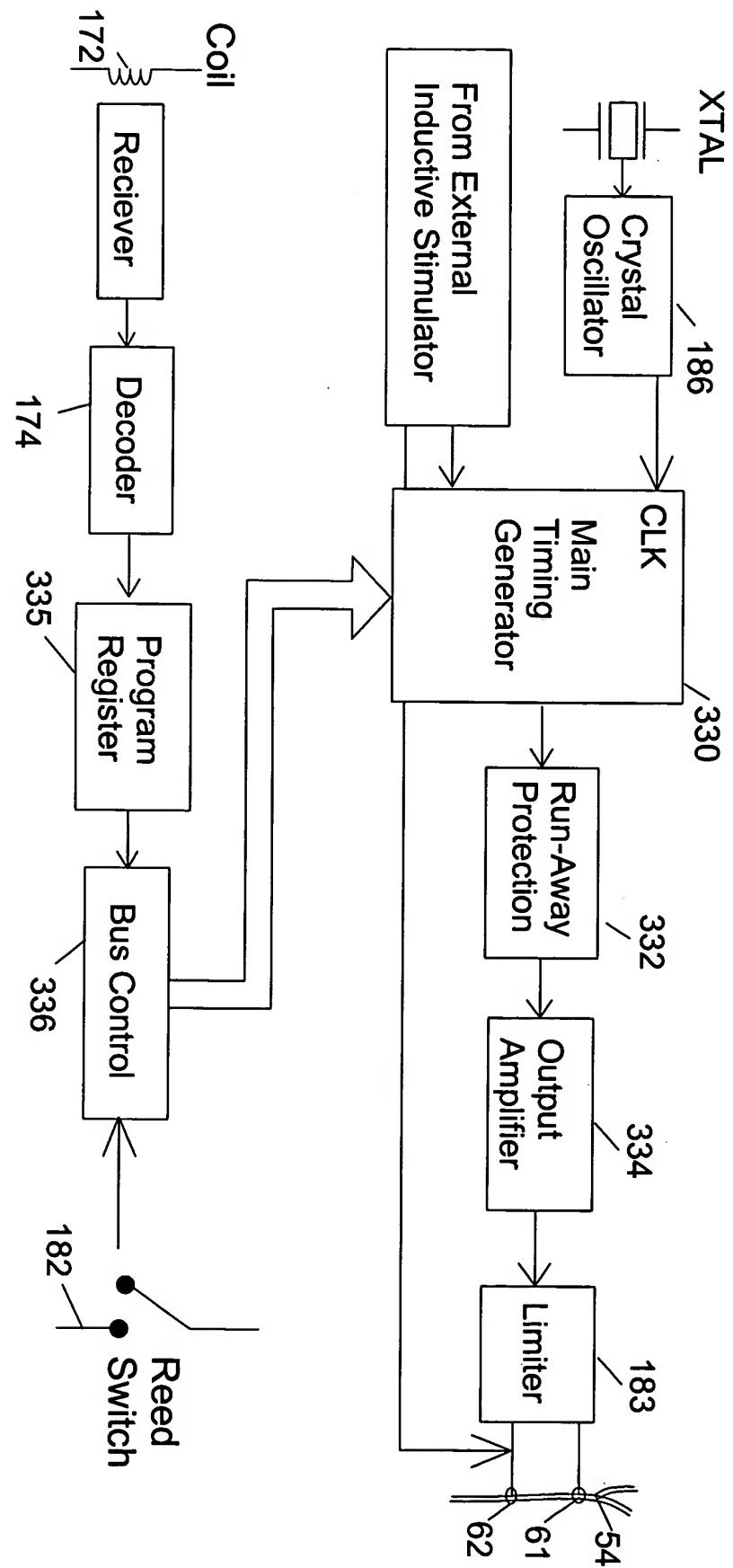


FIG. 33

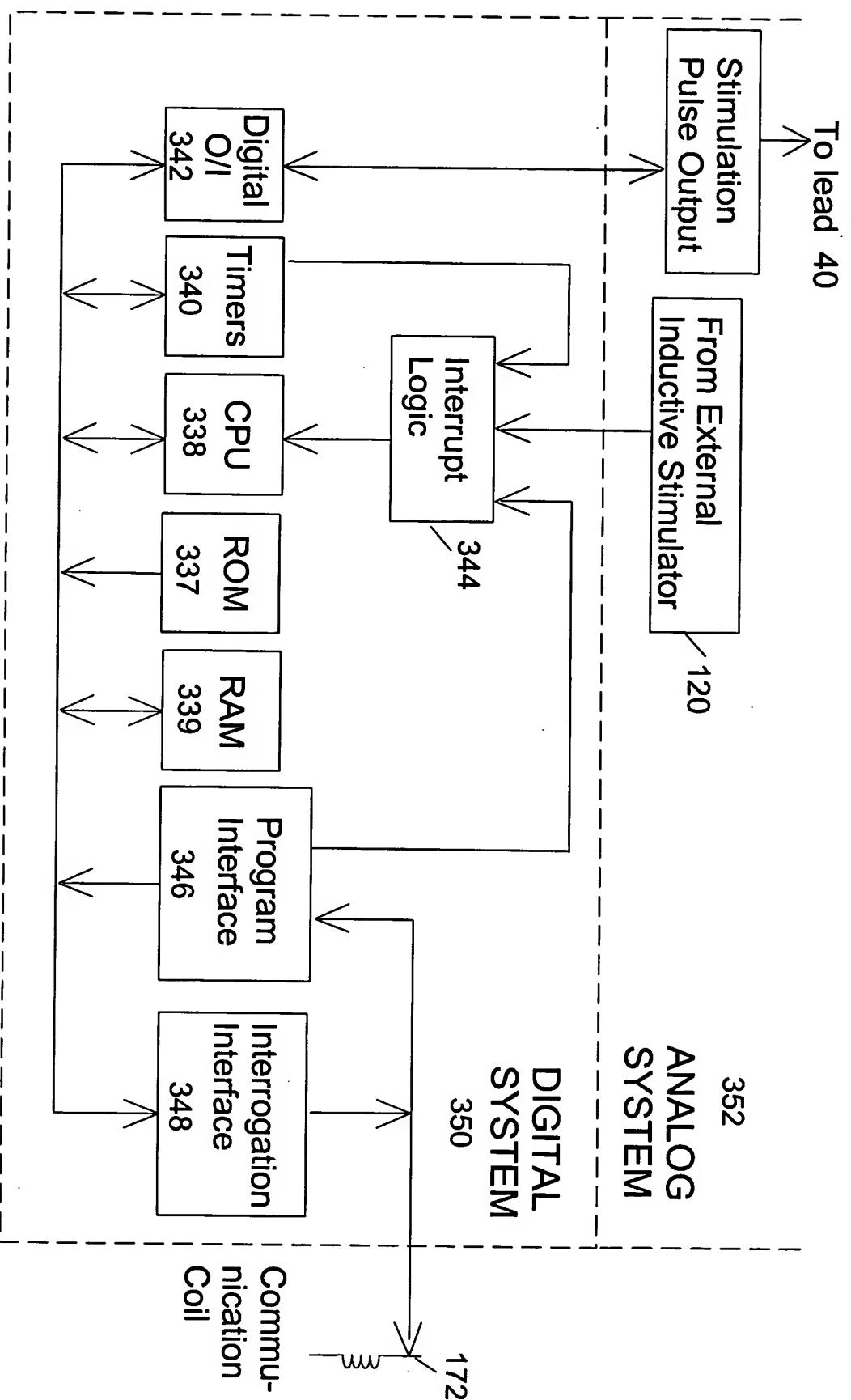


FIG. 34

FIG. 35

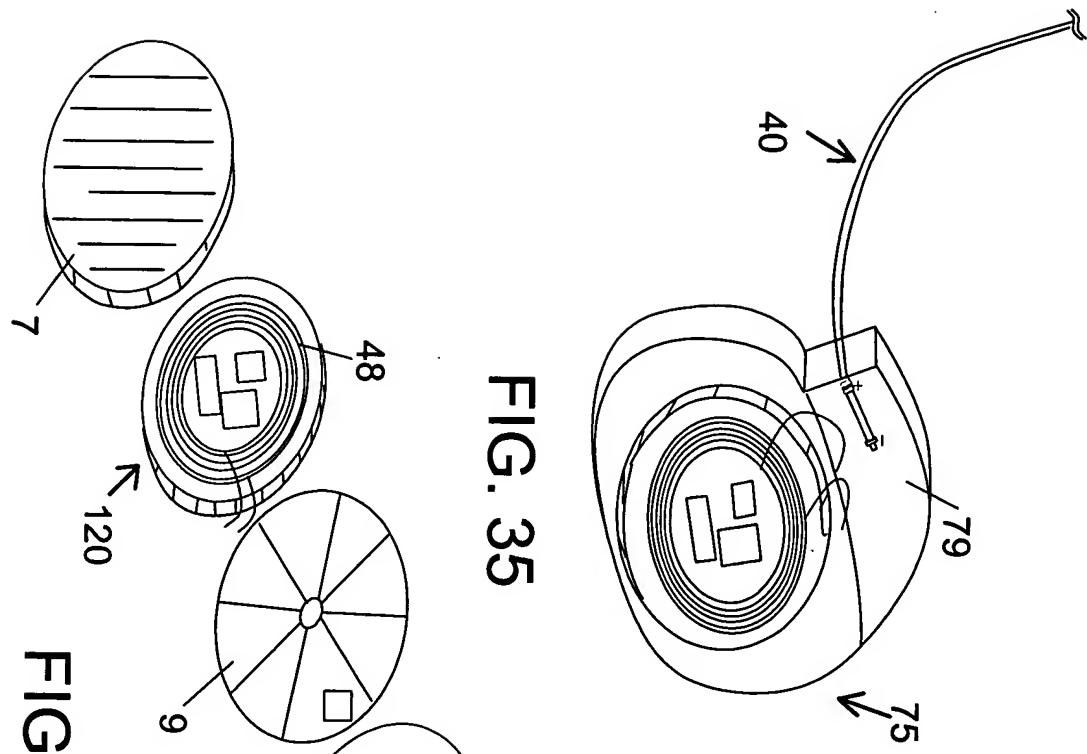
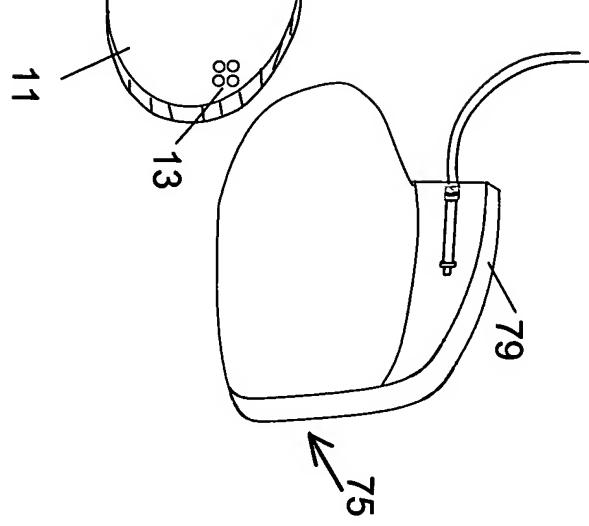


FIG. 36



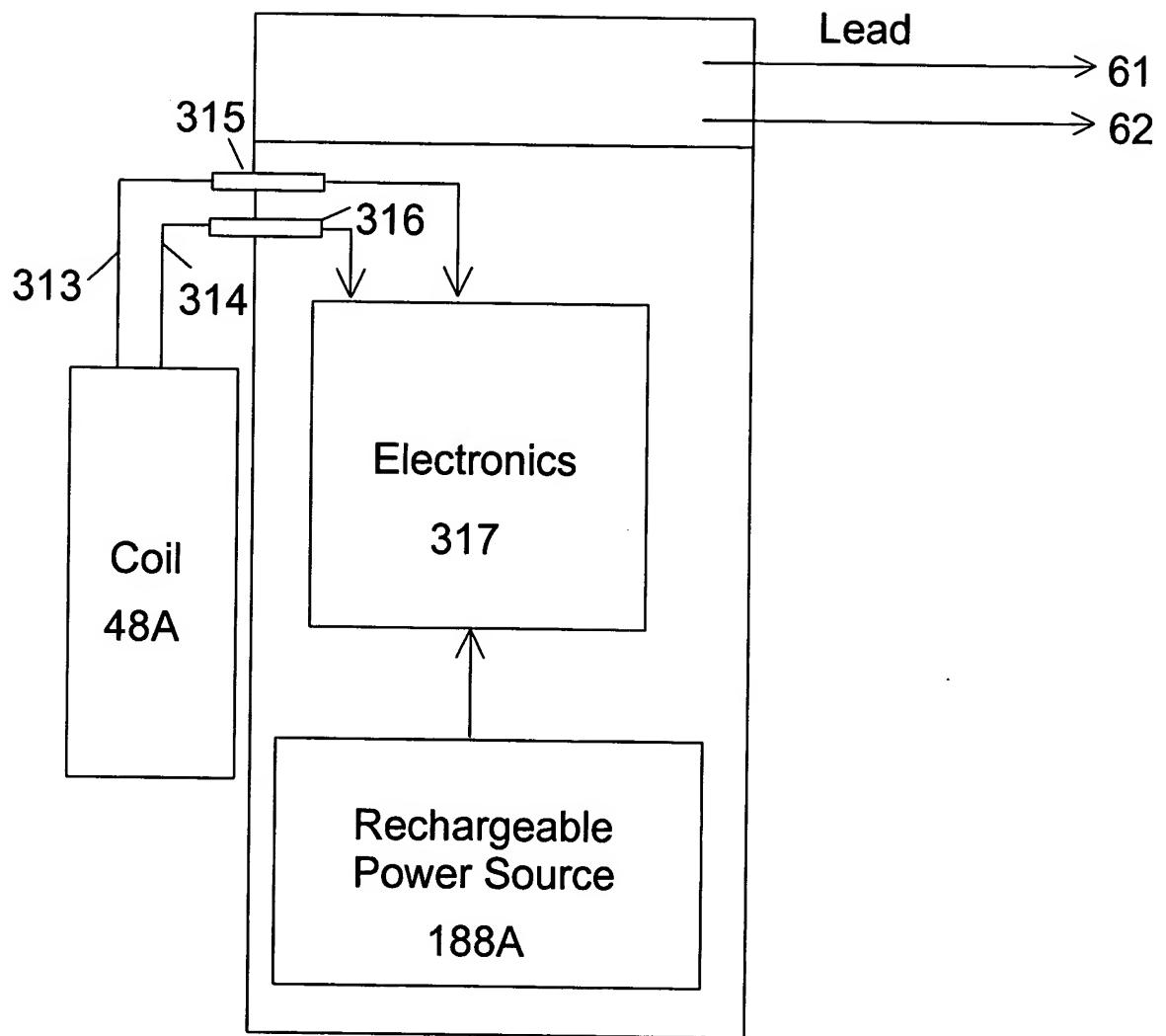


FIG. 37

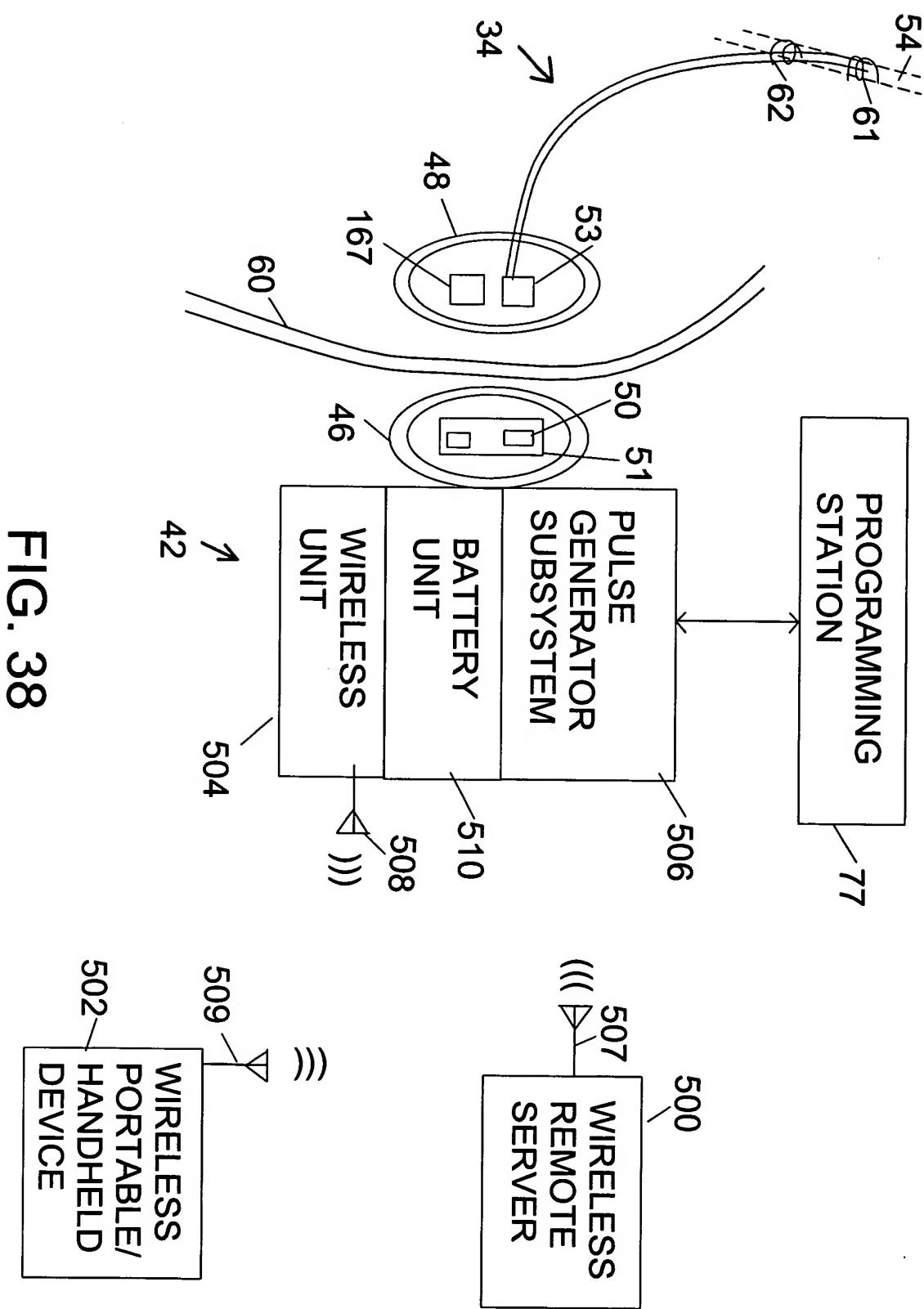


FIG. 38

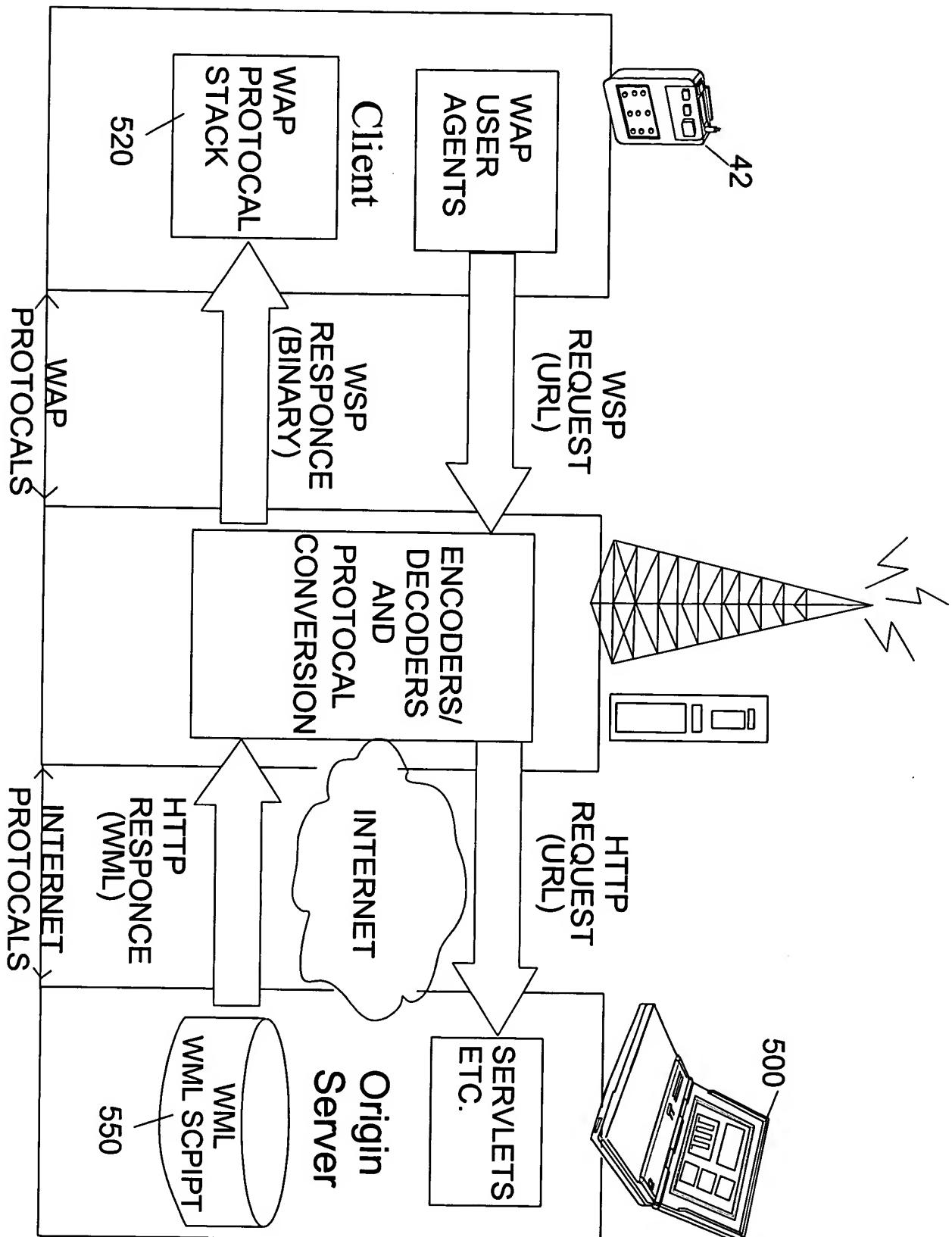
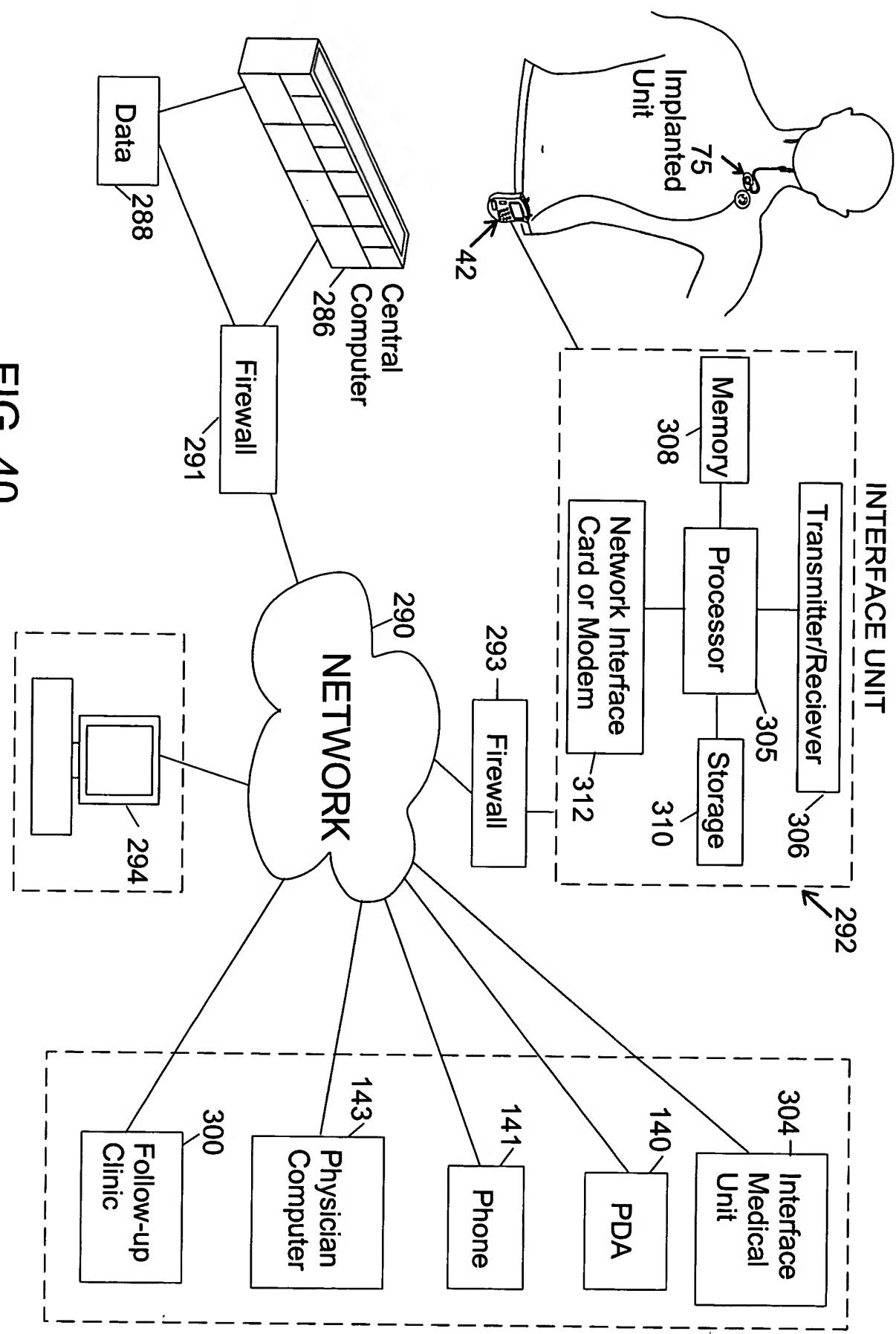


FIG. 39



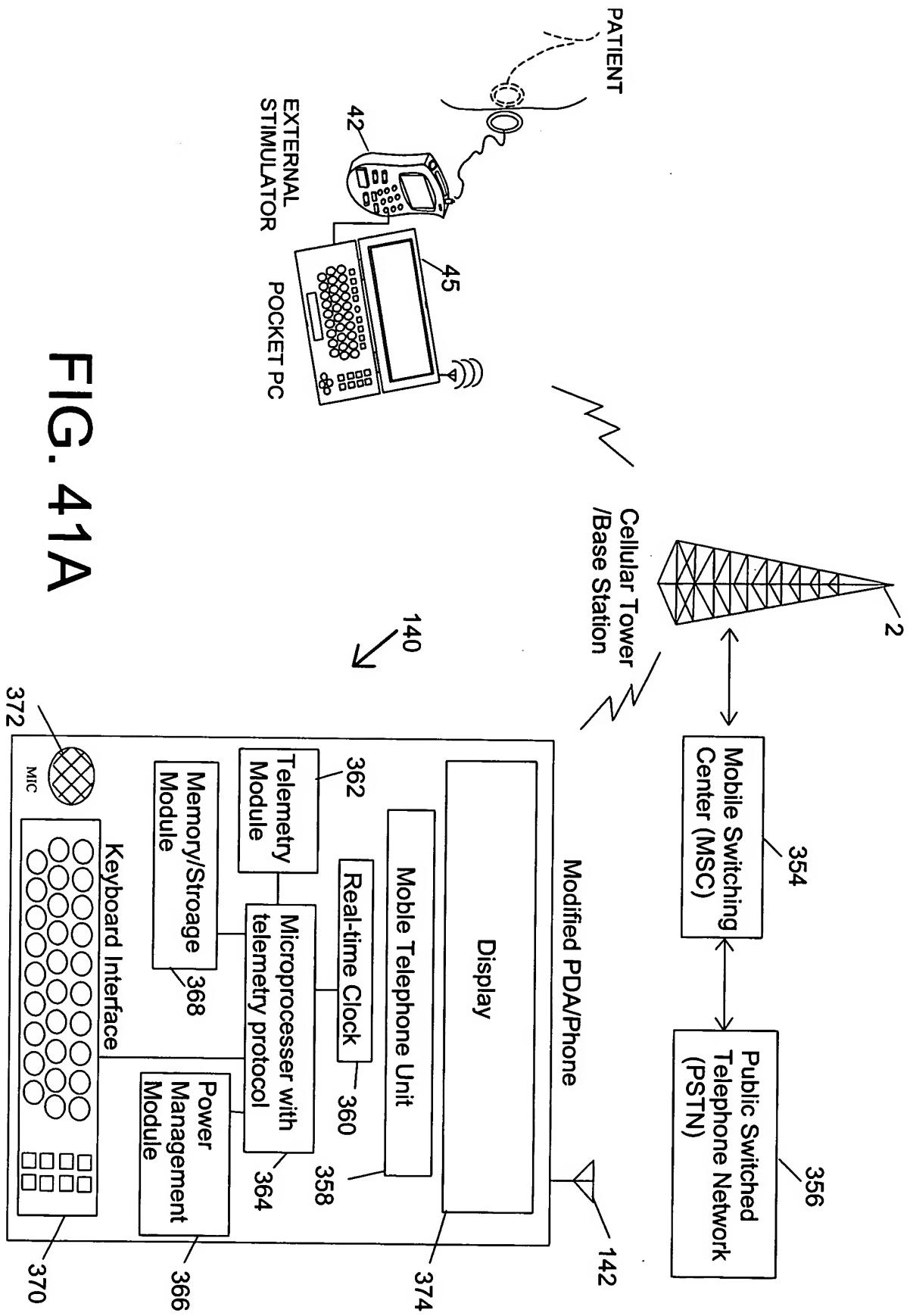


FIG. 41A

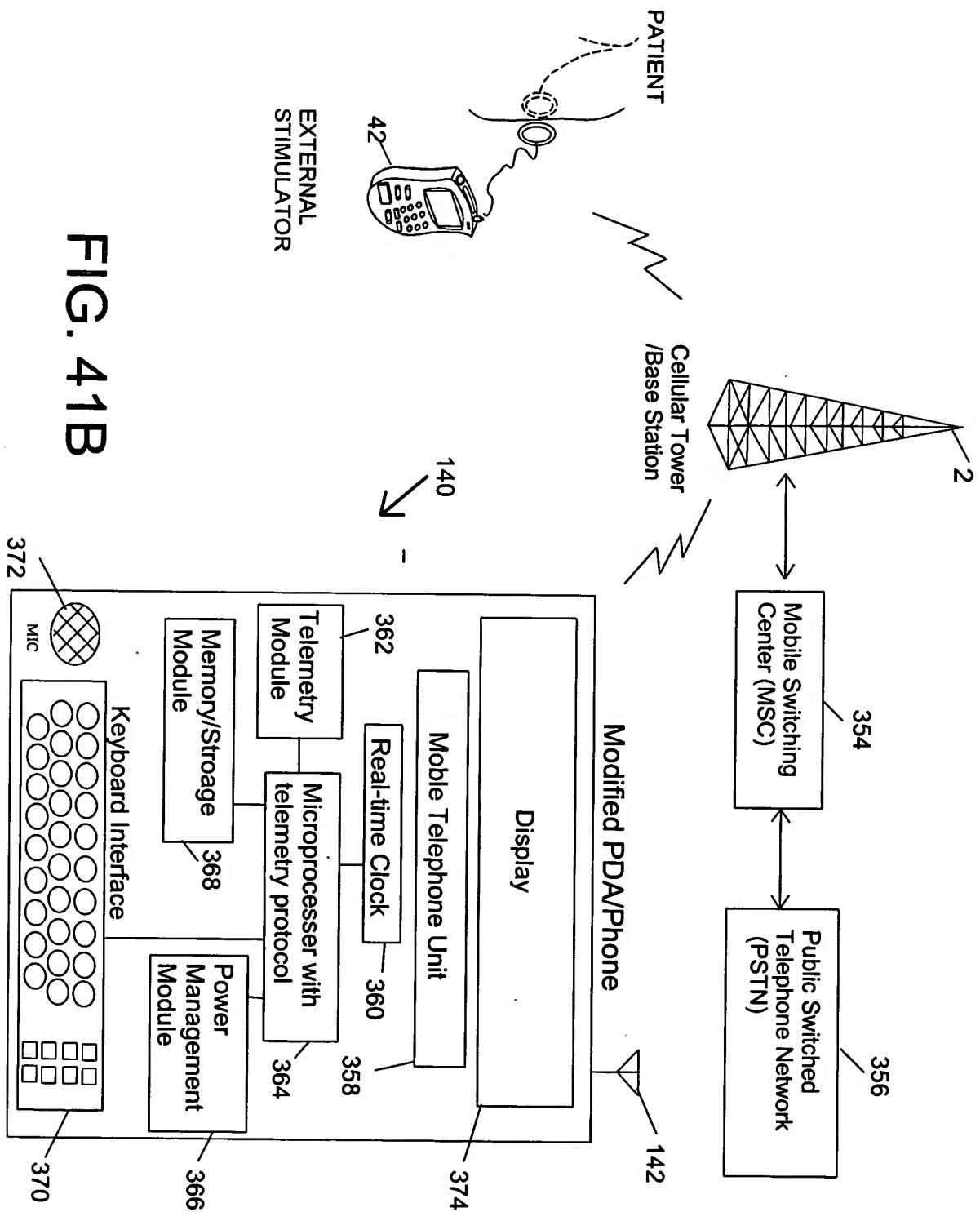


FIG. 41B